Cornell University Library

BOUGHT WITH THE INCOME
FROM THE
SAGE ENDOWMENT FUND
THE GIFT OF
Henry W. Sage
1891

A.239613 6/12/09

6896-1

The date shows when this volume was taken.
To renew this book copy the call No. and give to the librarian.

NOV 28 1940

HOME USE RULES

All Books subject to Recall.

Books not used for instruction or research are returnable within 4 weeks.

Volumes of periodicals and of pamphlets are held in the library as much as possible. For special purposes they are given out for a limited time.

Borrowers should not use their library privileges for the benefit of other persons.

Books not needed during recess periods should be returned to the library, or arrangements made for their return during borrower's absence, if wanted.

Books needed by more than one person are held on the reserve list.

Books of special value and gift books, when the giver wishes it, are not allowed to circulate.

Readers are asked to report all cases of books marked or mutilated.

Do not deface books by marks and writing.

CORNELL UNIVERSITY LIBRARY
3 1924 092 485 881

Z
6736
C89
v.1

Cornell University Library

The original of this book is in
the Cornell University Library.

There are no known copyright restrictions in
the United States on the use of the text.

http://www.archive.org/details/cu31924092485881

~~4756~~
~~A50~~

WORKS OF
PROF. WALTER R. CRANE

PUBLISHED BY

JOHN WILEY & SONS

Gold and Silver

Comprising an Economic History of Mining in the United States, the Geographical and Geological Occurrence of the Precious Metals, with their Mineralogical Associations, History and Description of Methods of Mining and Extraction of Values, and a Detailed Discussion of the Production of Gold and Silver in the World and the United States. 8vo, x + 727 pages, illustrated. Cloth, $5.00 net.

Index of Mining Engineering Literature

Comprising an Index of Mining, Metallurgical, Civil, Mechanical, Electrical, and Chemical Engineering Subjects as Related to Mining Engineering. 8vo, xii + 812 pages. Cloth, $4.00 net. Morocco, $5.00 net.

INDEX OF
MINING ENGINEERING LITERATURE

COMPRISING AN

INDEX OF MINING, METALLURGICAL, CIVIL, MECHANICAL,
ELECTRICAL AND CHEMICAL ENGINEERING
SUBJECTS AS RELATED TO MINING
ENGINEERING

BY

WALTER R. CRANE, PH.D.

DEAN OF THE SCHOOL OF MINES AND METALLURGY, AND PROFESSOR
OF MINING, THE PENNSYLVANIA STATE COLLEGE, AUTHOR OF
"A TREATISE ON GOLD AND SILVER," AND NUMEROUS
TECHNICAL ARTICLES ON MINING

FIRST EDITION

FIRST THOUSAND

NEW YORK
JOHN WILEY & SONS
LONDON: CHAPMAN & HALL, LIMITED
1909

6/XII/09

~~8756~~

~~A 60~~

A.239613

Copyright, 1909,
by
WALTER R. CRANE

VT

Stanhope Press
F. H. GILSON COMPANY
BOSTON, U.S.A.

PREFACE

THE present volume, known as an Index of Mining Engineering Literature, will be found useful for all engineering professions, but especially to mining and metallurgical engineers and educators. It consists of a complete and carefully made index of eighteen engineering publications: journals, transactions and proceedings of societies, etc., which have in large part been cross-referenced, thus rendering valuable assistance to the reader in acquiring information not given in a general index, and which would not otherwise be accessible except through much tedious and painstaking research and extensive reading.

The work has grown out of the personal needs of the author in both educational and professional work. From a small number of selected references it has grown to such an extent, and has proven of such practical value that it was deemed advisable to publish it and thus place it within reach of members of the engineering professions. It represents the unaided labor of the author for a period of about five years, during which time he was actively engaged with other duties. Any errors that may occur are, therefore, due to his oversight and are not chargeable to others. The method of writing the references has changed from time to time as a result of experience in the work, and the use to which they have been put, which will explain why certain information is given in one instance and not in another. At the beginning of the work, the number of pages or columns, also the illustrations, were not considered of importance, and consequently were not given, and similarly with other minor points. Further, it will occasionally occur that the page as given will not be exact, which is due in large part to calculating backward, hastily, after ascertaining the number of pages or columns in the article, and in a similar manner the length may have been miscalculated by a page, column or a fraction of either. The author will consider it a favor if his attention is called to errors, in order that they may be corrected.

WALTER R. CRANE.

SCHOOL OF MINES AND METALLURGY,
THE PENNSYLVANIA STATE COLLEGE,
January 1, 1909.

CONTENTS

PAGE

ACCIDENTS IN MINING 1

Loss of Life in Mining; Causes of Accidents; Protection in Mining; Rescue Work in Mines; Compensation for Injuries; Health of Miners; First Aid in Mining Accidents; Falls of Roof and Walls in Mines; Coal Dust as an Explosive Agent; Mine Fires; Spontaneous Combustion in and about Mines; Inundation of Mines; Mine Explosions; Poisoning and Injuries; Powder Explosions; Hoisting Accidents; Boiler Explosions; Earth and Snow Slides — Avalanches; Lightning Entering Mines.

ANIMALS IN MINES 29

BLASTING IN MINES: METHODS AND CONDITIONS 30

Blasting in Coal Mines; Methods of Firing Explosives; Use of Compressed Air in Blasting; Arrangement of Holes in Blasting; Tamping and Tamping Materials; Quantity of Explosive that Should be Used; Large or Mammoth Blasts; Submarine Blasting; Lime Blasting.

CHEMISTRY: METHODS AND PRACTICE 35

Chemical Laboratories; Determination of Bismuth, Molybdenum, Mercury, Tellurium, Wolfram, etc.; Methods of Determining Manganese; Lime and Cement Analysis; Acid Manufacture; Determination of Antimony; Methods of Determining Sulphur; Gold and Silver Analysis; Methods of Determining Phosphorus; Methods of Determining Lead; Methods of Determining Zinc; Chemical Analysis in Cyaniding; Methods of Determining Arsenic; Determination of Cobalt, Nickel, Tungsten and Tin; Coal Analysis; Methods of Determining Copper; Methods of Determining Iron.

COMPRESSED AIR IN MINING 46

Air Compressors, Types, Operation, etc.; Transmission of Power by Compressed Air; Hydraulic Air Compression and Compressors; Compressed Air Haulage; Compressed Air Pumping; Blowing Engines; Compressed Air Receivers, Regulators, Intercoolers, etc.; Explosions in Air Compressors, Diseases, etc.; Liquid Air as an Explosive.

CLAYS AND THEIR USES 53

Properties of Clays and Methods of Testing; Brick and Clay-Products.

CONCENTRATION 55

Preparation of Coal; Theory of Concentration; Jigs and Jigging; Hand Dressing, Sorting; Flotation Processes; Amalgamation of Gold and Silver; Use of Plates in Amalgamation; Pan Amalgamation; Rockers, Sluices, Riffles, etc.; Amalgamating Apparatus (Amalgamators); The Patio Process of Amalgamation; The Effect of Temperature on Amalgamation; Mercury and Amalgam, Their Treatment and Loss; Amalgam

PAGE

Retorts and Other Apparatus; Electrostatic Separation; Magnetic Separation; Concentrators, Tables, Buddles, etc.; Centrifugal Concentration; Washing Coal and Mineral; Hand Tests on Mineral; Classifiers and Classification; Slimes and Their Treatment; Losses in Milling; Dry Concentration; Practice in Milling Ores.

CONCRETE, MORTARS AND PLASTERS.............................. 99
Concrete, Its Manufacture and Uses; Occurrence of Cement Materials; Properties and Characteristics of Concrete; Gypsum Plasters; Use of Concrete in Mines.

CONVEYORS FOR MINERAL AND COAL.............................. 105
Kinds of Conveyors, Operation, etc.; Loading and Unloading Conveyors for Vessels and Cars, etc.; Conveyors Underground.

DAMS FOR MINING PURPOSES.............................. 108
Stresses in Dams, Their Stability, and Other Data; Description of Dams and Their Construction; Underground Dams; Cofferdams, Caissons, etc.

MINING DISTRICTS.............................. 111
Miscellaneous Districts; Africa; Alabama; Alaska; Argentine Republic; Arizona; Arkansas; Asia; Australia; Austria-Hungary; Belgium; Brazil; Bolivia; British Columbia; California; Canada; The Carolinas; Central America; Colombia and the Guianas; Chili; China; Colorado; Connecticut; South Dakota; Ecuador; Egypt; England; East Indies — Malaysia; Florida; France; Georgia; Germany; Greece; Honduras; Idaho; Illinois; Iowa; Indiana; India; Ireland; Italy; Japan; Kansas; Kentucky; Korea; Louisiana; Lapland; Madagascar; Maine; Maryland; Massachusetts; Mexico; Michigan; Minnesota; Missouri; Mississippi; Montana; Nebraska; New Caledonia; Newfoundland; New Jersey; New Mexico; Nova Scotia; Nevada; Nicaragua; New York; New Zealand; Norway; Ohio; Oklahoma (Indian Territory); Oregon; Panama; Pennsylvania; Persia; Peru; Philippine Islands; Portugal; Russia; Scandinavia; Spain; Sweden; Tennessee; Texas; Turkey; United States (General); Utah; Venezuela; Vermont; Virginia and West Virginia; Washington; West Indies; Wisconsin; Wyoming.

MINE DRAINAGE.............................. 248
Drainage in General; Theory of Pumping; Pump Tests, Efficiency, etc.; Pumps for Mine Use; Rotary Pumps; Cornish Pumps; Hand Pumps and Water Portage; Hydraulic Pumps; Syphons in Mines; Compressed Air Pumping; Vacuum Pumps; Electrically-Driven Pumps; Bailing Water; Unwatering Shafts; Drainage Tunnels; Pipes and Pipe Fitting; Ditches and Channels; Valves, Valve-gear, Sumps, etc.; Miscellaneous.

DRILLING AND BORING.............................. 266
Hand Drills; Machine or Power Drills; Air Hammer Drills; Electric Drills; Forming and Tempering Drills; Use of Bore Holes; Prospect Drilling; Churn Drills and Drilling; Diamond and Rotary Drills; Deep Drilling; Rate of Drilling; Submarine Drilling; Surveying Bore Holes; Reamers for Boring Apparatus; Miscellaneous Information.

PAGE

THE INDUSTRIAL DEVELOPMENT OF MINING AND PRODUCTION.......... 279
Economic and Industrial Features of Mining; Mining Statistics; The Development and Production of Precious Metal Mining; The Function of Gold and Silver; The Copper Trade; The Iron Trade; The Coal Trade; Miscellaneous Production.

DUMPING DEVICES.. 289
Dumps, Cradles, Tipples, etc.; Rotary Dumps; Self-dumping Cages; Skip Dumps; Bucket Dumps.

TECHNICAL EDUCATION.. 291
Technical Education; Engineering Schools; Correspondence and Trade Schools; Theory and Practice; Societies, Periodicals and Expositions; Experimentation and Research; Summer School Work; Definitions and Terms; Drawing, Blue-printing, etc.; Weights and Measures; Symbols; Models of Mines and Machinery; Engineering Laboratories, Government Mint, etc.; General Requirements of Engineering Education; Relation of Engineering Education to the Industries.

EXPLOSIVES FOR MINING PURPOSES................................ 307
Development of Explosives; Explosive Regulations for Cities; Kinds of Explosives; Manufacture of Explosives; Explosive Properties of Various Materials; Safety Explosives; Firing of Explosives, Primers, Fuses, etc.; Use of Explosives in Coal Mining; Quantity of Explosives Used in Mining; Testing Explosives; Handling Explosives; Storage of Explosives; Thawing Giant Powder; Use of Explosives in Gas and Oil Wells.

FUELS: COAL, COKE, GAS, OIL, ETC., AND FUEL TESTING............... 316
Composition and Characteristics of Coal; The Waste of Coal and Its Utilization; Coke: Its Properties and Manufacture; Peat as a Fuel; Power Generation by Oil; Gas for Power: Its Generation and Use; Fuel Substitutes, etc.; Briquetting of Fuels and Ores; Testing Fuels and Their Value.

GEOLOGY: MINERAL AND FOSSIL FUEL DEPOSITS.................... 328
Geologic Progress and Studies; Types of Veins and Examples; Faults: Rules Regarding Them, etc.; Air-Blasts, Volcanoes and Earthquakes; Theory of Ore Deposits, Origin of Coal, Petroleum, etc.; The Occurrence of Gold and Silver; The Occurrence of Platinum; Occurrence of Copper and Copper Ores; Occurrence of Lead and Zinc Ores; Occurrence of Iron Ores; Occurrence of Coal; Occurrence of Lignites; Occurrence of Manganese; Occurrence of Tungsten; Occurrence of Nickel; Occurrence of Antimony; Occurrence of Tin; Occurrence of Arsenic; Occurrence of Bismuth; Occurrence of Wolframite; Occurrence of Corundum; Occurrence of Bauxite; Occurrence of Gypsum; Occurrence of Quicksilver; Occurrence of Phosphates; Occurrence of Salt; Occurrence of Apatite; Occurrence of Monazite; Occurrence of Sulphur; Occurrence of Barytes; Occurrence of Borax; Occurrence of Asbestos; Occurrence of Mica; Occurrence of Nitrates; Occurrence of Diamonds; Occurrence of Onyx, Sapphire, Emerald, Ruby, Turquoise, etc.; Occurrence of Asphalts; Occurrence of Graphite; Occurrence of Workable Clays; Ocher Deposits;

PAGE

Fuller's Earth Deposits; Diatomaceous Earths; Occurrence of Fluorspar; Occurrence of Cement Rocks; Occurrence of Glass Sands; Petroleum: Its Occurrence; Occurrence of Natural Gas; Distribution of Building Stone; Occurrence of Rare Metals; Miscellaneous Materials; Auriferous Gravels: Their Formation, Distribution and the Source of the Gold; Nuggets: Their Origin and Occurrence.

HANDLING AND STORAGE OF MINERAL 473
Methods of Handling Mineral and Coal; Loading and Unloading Cars, Boats, etc.; Elevators.

HAULAGE IN MINES 477
Tractive Force in Haulage; Haulage Systems; Haulage on Inclines; Steam Locomotives; Compressed Air Haulage; Electrical Haulage; Mine Cars: Capacity, Design, Running-Gear, Wheels, etc.; Wheelbarrows; Sheaves, Couplings, Clips, etc.; Mine Roads, Tracks; Switches, Turnouts, etc.

HOISTING IN MINING 493
Calculations for Hoisting Engines; Methods of Hoisting, Appliances, etc.; Speed of Hoisting; Electric Hoisting; Pneumatic Hoisting; Hoisting by Water Power; Gas and Oil Hoisting Engines; Deep Winding; Counterbalancing in Hoisting; Overwinding and Its Prevention; Hoisting Buckets, Methods of Dumping, etc.; Windlasses and Whims for Hoisting; Cages for Hoisting; Skips for Raising Minerals; Brakes for Hoists; Drums and Sheaves; Indicators for Hoists; Shaft-Bottom Layouts; Safety Catches for Mine Cages; Ropes, Chains, Couplings, Guides, Cross-Heads, etc.; Cage Keeps, Chairs, etc.; Shaft-Closing Arrangements; Inspection of Mines.

LABOR IN MINES 512
Mine Workmen and Labor Problems; Labor Troubles, Strikes, etc.; Discipline in Mines; Workmen's Aid and Compensation; Labor Unions; Miners' Wages; Miners' Clubs and Changing Houses; Contract Systems and Leasing; Ore Thefts.

LADDERS IN MINES 522

LIFE IN MINES 522

MANAGEMENT OF MINES 524
Mine Administration; Mine Organization; Mine Managers and Superintendents; Mine Accounts and Bookkeeping; System for Keeping Mining Notes: Filing and Card Systems; Amortization and Depreciation; Stock and Stockholders; Mine Investments; Mining Risks and Frauds; Rating and Taxation of Mining Property.

MAPS 533
Maps of Countries and Districts; Mine Maps; Geological Maps; Map Making.

METALLURGICAL METHODS AND PROCESSES 536
Metallurgical Processes, Works, etc.; Methods of Assaying, Calculations,

PAGE

etc.; Roasting Ores, Furnaces, etc.; Pyritic Smelting; Metallurgy of Gold and Silver; Metallurgy of Copper; Metallurgy of Iron; Metallurgy of Lead; Metallurgy of Zinc; Metallurgy of Quicksilver; Metallurgy of Nickel; Metallurgy of Tin; Cyaniding of Ores: Processes and Practice, etc.; The Chlorination Process; Miscellaneous Information; Electro-Metallurgy.

METALS 579

Properties of Various Metals; Gold and Silver: Properties, Fineness, etc.; Platinum; Copper, Mass Copper, etc.; Tin: Its Properties, etc.; Quicksilver: Its Properties, etc.; Iron: Its Alloys, etc.; Aluminum and Its Properties.

MINERALS 583

Mineral Determination and Classification; Value of Ore and Its Determination; Miscellaneous Mineral Occurrence; Measurement and Weight of Ore; Gold and Silver Ores and Minerals; Copper Ores and Minerals; Iron Ores, Minerals and Meteorites; Lead and Zinc Ores; Nickel Ores and Minerals; Salt, Quicksilver, Radium, Sulphur, Asbestos, Amber, Phosphates, etc.; Mica and Its Occurrence; Graphite; Corundum, Carborundum, etc.; Asphaltum Compounds; Origin, Properties and Occurrence of Diamonds; Gems and Precious Stones.

MINE AND MILL CONSTRUCTIONS 593

Design of Structures: Materials and Methods of Construction; Mine Buildings, Shops, etc.; Head Frames: Wood and Metal, Design; Tipples: Methods of Construction and Materials; Ore Bins: Materials of Construction and Methods of Calculation; Foundations for Buildings and Mine Constructions; Flumes: Materials of Construction and Design; Tanks for Mining Purposes.

MINE GASES 604

Mine Atmosphere and Gases; Occurrence of Gases in Coal; Gas in Mines Other than Coal; Outbursts of Gas in Mines; Detection and Testing of Mine Gases; Mine Gases and Barometric Pressure; Tests for and Determination of Gases.

MINING LAW 611

Mining Law: Its Principles and Applications; Mining Law of the Various States and Countries; Mineral Land Acts and Federal Mining Laws; Extra-Lateral Rights and the Law of the Apex; Claims, Taxes, Assessments and Locations; Tunnel Rights; Riparian and Water Rights; Decisions; Mining Royalties.

MINE LIGHTING 622

Illumination of Mines and Buildings; Electricity for Mine Lighting; Acetylene Gas for Mine Lighting; Oil Used in Mine Lamps, Candles, etc.; Lighting Shafts; Safety Lamps and Testing by Safety Lamps.

MINING 627

History of Mining; Prospecting: Methods of Procedure, Equipping Camping Outfits, etc.; Divining; Development: Size, Shape Depth and

PAGE

Arrangement of Shafts and Slopes; Shaft-Sinking: Processes, Applications, Rate of Sinking, etc.; Value of Mines: Sampling and Estimation of Mines: Ore Reserves, Ore in Sight, Mine Reports, etc.; Methods of Mining: General and Miscellaneous; The Caving System of Mining; Pocket Mining; Drift Mining; Methods of Stoping in Mines; Mining Thick and Massive Deposits; Under-Sea Mining; Mining Frozen Gravels; Packing Mine Working: Flushing Culm, Use of Waste, etc.; River Mining; Deep Mining; Beach Mining; Excavation of Earth, Rock, and Ore, Use of Steam Shovels, Mechanical Elevators and Unloaders; Open-Cut Mining, Milling Methods, etc.; Quarrying Methods; Hydraulic Mining: Methods and Appliances, Giants, Elevators, etc.; Dredging for Gold and Other Materials: Practice and Appliances; Mining Débris: Damages and Litigation; Room and Pillar Mining; Longwall Mining of Coal; Panel Mining; Drawing Pillars in Coal Mines; Breaking Down Coal at the Face; Rooms and Entries: Dimensions, etc.; Reworking Abandoned Mines; Waste in Mining; Difficulties Encountered in Mining: High Temperatures, etc.: Increase of Temperature with Depth; Abandoned Mines and Districts; Salting of Mines.

MINE AND MILL MACHINERY 691

Mining Machinery: Its Manufacture and Use; Pulleys and Belts; Bearings and Lubrication; Friction Clutches; Friction Brakes; Protection of Iron and Steel Structures; Mining Machinery at the Face; Electric Coal Mining Machines; Mechanical Mining Appliances: Getters.

MINE SUPPORT 699

Mine Support: Conditions Affecting, etc.; Kinds of Timber; Strength of Timber, Masonry, Coal and Iron for Mine Support; Subsidence in Mine Workings; Size of Pillars, Barrier Pillars, etc.; Methods of Timbering; Tunnel Support; Shaft Lining: Timbering, Tubbing, Cementation, etc.; Square-set Timbering; Preservation of Mine Timber.

PHOTOGRAPHY FOR MINES AND TECHNICAL WORK 711

POWER: STEAM, WATER, ELECTRICITY AND GAS 711

General Application of Power; Steam Boilers and Power Plants; Steam Engine Calculations, Tests and Horse-Power; Gas and Oil Engines: Horse-Power, Tests and Calculation of Boilers; Superheated and Wet Steam; Boiler Feed-Water; Condensers for Steam; Consumption of Steam, Waste, etc.; Feed-Water Heaters for Boilers; Mechanical Feeders for Steam Boilers; The Central Power Plant; Steam Pipes and Coverings; Scale and Boiler Compounds; Consumption and Waste of Coal; Valves and Valve Gear for Steam Engines; Water Power Plants: Theory and Practice; Water Wheels, Governors, Data, etc.; The Electric Power Plant and Its Equipment; Electricity in the Mine; Power Transmission: Electricity, Steam, Water and Miscellaneous.

REDUCTION 735

The Reduction of Ores: Methods and Practice; Automatic Feeders for Reducing Machinery; Crushers: Construction and Operation; Rolls: Construction and Operation; Stamp-Mill Practice; Fine Crushing by Mills: Ball, Tube and Miscellaneous Types.

PAGE

ROPES FOR MINE USE 749
Kinds of Wire Rope, Methods of Manufacture, etc.; Wire: Its Use and Manufacture; Paper and Fiber Ropes; Connections for Wire Ropes, Splicing, etc.; Strength of Ropes, Working Stresses, Examination and Tests; Care and Protection of Wire Rope; Breakage of Wire Rope.

SAMPLING OF MINES 755
Mine Sampling; Methods of Sampling and Apparatus Employed; Sampling Ores; Sampling and Measurement of Ore Bodies; Practice in Sampling Minerals, Coal, Gravels, etc.

SIZING OF MINERAL 760
Screens, Theory of Sizing; Kinds of Screens and Method of Operation.

SIGNALING IN MINES 762
Signal Codes for Mines; Methods of Signaling: Compressed Air, Electricity, Telephones, etc.

SURVEYING 764
Surveying Instruments; Magnetic Surveys; Surface Surveys: Claims, etc.; Underground Surveys; Shaft-Plumbing.

TRANSPORTATION 772
Portage, Packing and Fluming; Transportation by Rail; Capacity of Cars, Gauge, etc.; Rails, Rail-Sections, etc.; Wagon Roads, Wagons and Traction Engines; Canal Transportation; Lake Transportation; Ocean Transportation; Cableways: Their Construction and Use.

TUNNELING 783
Methods of Tunneling; Examples of Tunnels; Tunneling Machines.

MINE VENTILATION 789
Methods of Ventilating Mines, Splitting Air-Currents, etc.; Mechanical Ventilators: Fans: Their Construction and Use; Effect of Size and Shape of Air-Ways on Ventilation, etc.; Quantity of Air Needed in Mines; Mine Ventilation by Furnaces; Stopping, Doors and Regulators in Mines; Measurements of Air-Currents; Tests on Fans; Efficiency of Fans; Application of Ventilating Methods to Metal and Coal Mines and Tunnels.

WATER 800
Sources and Supplies of Water; Measurement of Water; Pollution and Purification of Waters; Water in Milling.

ABBREVIATIONS

Am. Jour. Min. — American Journal of Mining.
Ann. Min. Rept. N. S. Wales. — Annual Mining Report New South Wales.
Cal. Miners' Assoc. Annl. — California Miners' Association Annual.
Coll. Engr. — Colliery Engineer.
Coll. Engr. & Met. Miner. — Colliery Engineer and Metal Miner.
Coll. Working and Management. — Colliery Working and Management.
Coll. Guard. — Colliery Guardian.
Columbia Eng. — Columbia Engineer.
E. & M. J. — Engineering and Mining Journal.
Eng. News. — Engineering News.
Eng.-Cont. — Engineering-Contracting.
Eng. Mag. — Engineering Magazine.
Gold Min. & Mill. W. Aus. — Gold Mining & Milling in Western Australia.
J. C. M. I. — Journal Canadian Mining Institute.
J. C. M. Rev. — Journal Canadian Mining Review.
J. C. & M. Soc. S. A. — Journal Chemical and Metallurgical Society of South Africa.
J. W. Soc. E. — Journal Western Society of Engineers.
J. M. Soc. N. S. — Journal Mining Society of Nova Scotia.
Min. Mag. — Mining Magazine.
M. & M. — Mines and Minerals.
Min. & Sci. Press. — Mining and Scientific Press.
Mech. Eng. Coll. — Mechanical Engineering of Collieries.
P. C. M. & M. Soc. S. A. — Proceedings Chemical Mining and Metallurgical Society of South Africa.
P. E. Soc. W. Pa. — Proceedings Engineering Society of Western Pennsylvania.
P. C. M. — Practical Coal Mining.
P. I. C. E. — Proceedings Institute of Civil Engineers.
Rept. Inspr. Mines Pa. — Report Inspector of Mines of Pennsylvania.
Rept. Zinc Comm. Canada. — Report Zinc Commission of Canada.
R. R. Construction. — Railroad Construction.
Sch. Mines Quart. — School of Mines Quarterly.
Soc. P. E. E. — Society for the Promotion of Engineering Education.
Sci. Am. Supp. — Scientific American Supplement.
T. L. S. M. I. — Transactions Lake Superior Mining Institute.
T. I. M. E. — Transactions Institute of Mining Engineers.
T. A. I. M. E. — Transactions American Institute of Mining Engineers.
T. F. I. M. E. — Transactions Federated Institute of Mining Engineers.
T. I. M. & M. — Transactions Institution of Mining and Metallurgy.
T. N. S. I. M. & M. E. — Transactions North Staffordshire Institute of Mining and Mechanical Engineers.
T. F. C. M. I. — Transactions Federated Canadian Mining Institutes.
T. A. S. M. E. — Transactions American Society Mechanical Engineers.

INDEX OF MINING ENGINEERING LITERATURE

ACCIDENTS IN MINING

Accidents in Tunnels. Tunneling, Chas. Prelini, p. 266. 13 pages.

Dangerous Occupations. By A. H. Wethey. E. & M. J., vol. 84, p. 1215. 1¾ columns.

Fatal Accidents in Coal Mines in 1905. By F. L. Hoffman. E. & M. J., vol. 82, p. 1174. 11⅓ columns. D.

Mining Accidents. Min. & Sci. Press, vol. 42, p. 109, ⅔ column; and p. 152, ⅞ column.

Bad Timbering in Mines (Accidents). Min. & Sci. Press, vol. 42, p. 348. ½ column.

The Law of Accidents. E. & M. J., vol. 16, p. 345. ½ column.

Colliery Accidents. E. & M. J., vol. 9, p. 298. ½ column.

Accidents in Mines. E. & M. J., vol. 53, p. 569. 2½ columns.

Accidents in Coal Mines. E. & M. J., vol. 50, p. 482. 3 columns.

Accidents in Pennsylvania Bituminous Coal Mines. E. & M. J., vol. 78, p. 951. 2 columns.

Report of the British Accidents in Mines Commission. E. & M. J., vol. 41, p. 302. 5½ columns.

A Brave Miner (Accident). Coll. Engr., vol. 11, p. 64. ¾ column.

Fatal Accidents in Coal Mines. By F. L. Hoffman. Coll. Engr., vol. 78, p. 989. 4½ columns.

Accidents in Mines. By F. A. Abel. Coll. Engr., vol. 8, p. 21. 2¼ columns.

Accidents in British Mines. Coll. Engr., vol. 9, p. 30. 1½ columns.

Ten Men Instantly Killed While Ascending a Shaft. Coll. Engr., vol. 9, p. 254. 2 columns.

Classification of Mining Accidents, Prussia. T. L. S. M. I., vol. 3, p. 36. 3 pages.

Annual Mortality in Coal Mines. T. N. S. I. M. & M., vol. 3, p. 36. Table.

Accidents in Mines. Min. & Sci. Press, vol. 90, p. 103. 2½ columns.

A Curious Accident. Min. & Sci. Press, vol. 92, p. 223. ¾ column.

Living on Air. Remarkable Survival of Three Entombed Miners in Bohemia. Coll. Engr., vol. 13, p. 77. 1 column.

The Perils of Mining. E. & M. J., vol. 9, p. 233. ⅔ column.

Three Weeks Shut up in a Coal Mine. E. & M. J., vol. 15, p. 304. ½ column.

Mining Mortality. By J. Barrowman. T. I. M. E., vol. 14, p. 484. 10 pages.

Mining Dangers. Engineering, vol. 66, p. 270. London. 2¼ columns.

Accidents in Mines. By Geo. Farmer. M. & M., vol. 21, p. 334. 1 column.

Accidents in Coal Mines. By T. K. Adams. M. & M., vol. 21, p. 53. 4⅞ columns.

Accidents and Repairs in Tunneling during and after Construction. Tunneling. By Chas. Prelini.

Mine Accidents (Presidential Address). By J. P. Channing. T. L. S. M. I., vol. 3, p. 34. 16 pages. I.

A Remarkable Mine Accident in India. E. & M. J., vol. 69, p. 557. ⅓ column.

Mining Accidents in 1903. Coll. Guard, Oct., 1904. Min. Mag., Jan., 1905, p. 63. 2 columns.

Accidents in Mining. Diamond Mines of South Africa, pp. 384–405.

Coal Mining Accidents in 1901 in the United States. M. & M., Nov., 1902, p. 177. 1 column.

Accidents in Coal Mines of Pennsylvania. M. & M., Oct., 1901, p. 124.

Leeses not Afraid of Danger. M. & M., Nov., 1904, p. 169.

Suggestions for Improved Coal Mining Accidents Statistics. By F. L. Hoffman. E. & M. J., vol. 69, pp. 650, 709. 4 columns.

An Analysis of the Casualties in the Anthracite Coal Mines, from 1871 to 1880. By H. M. Chance. T. A. I. M. E., vol. 10, p. 67.

Accidents in the Anthracite Mines. E. & M. J., vol. 80, p. 731. 2 columns.

Cornish Mine Accidents. E. & M. J., vol. 80, p. 390. ⅔ column.

Accidents in Anthracite Collieries. E. & M. J., vol. 35, p. 102. 1½ columns.

Accidents in Mines. E. & M. J., vol. 34, p. 80. 3 columns.

Accidents to Anthracite Coal Miners. E. & M. J., vol. 74, p. 783. 4½ columns.

The Accident at the Gaylord Coal Mine, Pennsylvania. E. & M. J., vol. 57, p. 172. ¾ column.

Fatal Accidents in Pennsylvania Coal Mines. M. & M., Dec., 1904, p. 242.

Accidents in the Pennsylvania Anthracite Mines. The Anth. Coal Industry, p. 152. Roberts. 22 pages. I.

Accidents in the Comstock Mines and their Relation to Deep Mining. By J. A. Church. T. A. I. M. E., vol. 8, p. 84.

Accidents in American Metal Mines. E. & M. J., vol. 64, p. 272. 2 columns.

Accidents in the Marquette Iron Range. Sch. Mines Quart., vol. 3, p. 250. 4 pages.

Accidents in Michigan Iron Mines. E. & M. J., vol. 80, p. 868. ½ column.

Accidents in Driving the Sutro Tunnel. By A. Sutro. E. & M. J., vol. 28, p. 358. ½ column.

Accidents to Miners: General Résumé for the Pacific Coast. Min. & Sci. Press, vol. 37, p. 184. ⅞ column.

Mining Accidents and the Lessons They Teach. Min. & Sci. Press, vol. 38, p. 65. 1¼ columns.

Fatal Accident in the Eureka Consolidated Mine: Cave-in. Min. & Sci. Press, vol. 31, p. 98. ¾ column.

Virginia Disaster: Surface Fire. Min. & Sci. Press, vol. 31, p. 280. 2¼ columns.
Min. & Sci. Press, vol. 31, p. 296. 1¾ columns.
Min. & Sci. Press, vol. 31, p. 312. 1½ columns.

The Catastrophe at Gold Hill-Yellow Jacket-Comstock Mines. Am. Jour. Min., vol. 7, p. 249. ½ column.

Accident at the Utica Mine. Min. & Sci. Press, vol. 62, p. 34. ¾ column.

Fatal Accidents in Coal Mines in North America, 1902. E. & M. J., vol. 76, p. 347. 4½ columns.

Accidents in Metal Mining. E. & M. J., vol. 50, p. 186. 1 column.

Accidents in Anthracite Coal Mining. E. & M. J., vol. 78, p. 754. 4 columns.

Fatal Accidents in Metal Mining in United States. E. & M. J., vol. 77, p. 79. 4 columns.
E. & M. J., vol. 77, p. 119. 3½ columns.

Fatal Accidents in Coal Mines in North America, 1901. By F. L. Hoffman. E. & M. J., vol. 74, p. 542. 3 columns. D.

Fatal Accidents in Coal Mines in North America in 1902. By F. L. Hoffman. E. & M. J., vol. 80, p. 1014. 9½ columns.

Fatal Accidents in Coal Mines in North America. E. & M. J., vol. 76, p. 465. 3 columns.

Mine Accidents in Great Britain. E. & M. J., vol. 71, p. 174. ¾ column.

Mining Accidents in Great Britain. E. & M. J., vol. 65, p. 194. 3⅓ columns. I.

An English Mine Accident. E. & M. J., vol. 63, p. 570. ¾ column.

Coal Mine Accidents in Great Britain. E. & M. J., vol. 80, p. 822. 1¼ columns.

Mine Accidents on the Witwatersrand. By T. L. Carter. E. & M. J., vol. 82, p. 1011. ¾ column.

Accidents in the Kimberley Diamond Mines. T. N. S. I. M. & M. E., vol. 10, p. 110. 1¾ pages.

Account of an Accident which Occurred at the Fontanes Pit of the Rochebelle Colliery, in the South of France. T. N. S. I. M. & M. E., vol. 5, p. 146. 7 pages. I.

Discussion. T. N. S. I. M. & M. E., vol. 6, p. 47. 2 pages.

For Accidents with Air-Compressors, Explosions, etc., *see* Compressed Air.

Loss of Life in Mining

What it Costs to Mine Coal: Lives Lost, etc. Min. & Sci. Press, vol. 27, p. 394. ½ column.

Unnecessary Loss of Life in the New York Tunnels. By R. W. Raymond. E. & M. J., vol. 82, p. 1128. 1⅓ columns.

Comparative Death-Rate from Accidents in Mines. T. N. S. I. M. & M. E., vol. 9, p. 207. 11 pages. I.

Causes of Accidents

The Want of Forethought the Cause of Mine Accidents. By R. M. Haseltine. M. & M., vol. 20, p. 444. 1½ columns.

A Singular Giant Powder Explosion. Min. &. Sci. Press, vol. 28, p. 182. ½ column.

Cause of Mining Accidents. Min. & Sci. Press, vol. 45, p. 312. ¾ column.

Number and Cause of Accidents in Indiana Coal Mines. E. & M. J., vol. 78, p. 874. Table.

The Causes and Prevention of Miner's Phthisis. By J. S. Haldane and R. A. Thomas. T. I. M. & M., vol. 13, p. 379. 60 pages.

The Anaconda Mine Accident: Fall of Cage. Min. & Sci. Press, vol. 63, p. 300. ½ column.

Fall from Tub. Min. & Sci. Press, vol. 41, p. 82. ½ column.

Accidents in Connection with Electric Installations in Prussian Collieries, 1902. T. I. M. E., vol. 28, p. 718. 1½ pages.

Cause of Accidents in Pennsylvania Coal Mines. Rept. Inspr. Mines, Pennsylvania, 1886, p. 171. 22 pages.

An Unusual Fatality: An Electrocution of Two Surveyors. E. & M. J., vol. 77, p. 874. ½ column.

Mining Accidents: Mine Explosion, Flooding of a Shaft and Man Caught by Descending Cage. Min. & Sci. press, vol. 33, p. 84. 1¼ columns.

Death by Heat, Explosives, etc. Min. & Sci. Press, vol. 33, p. 388. 1 column.

THE MINER'S RESPONSIBILITY FOR ACCIDENTS. Min. Mag., vol. 13, p. 223. 1½ columns.

CARELESSNESS IN THE MINES: Its Causes and Results. Min. & Sci. Press, vol. 36, p. 178. ½ column.

CAUSES OF FATAL ACCIDENTS IN THE MINES OF WEST AUSTRALIA. Gold Min. & Mill., p. 597. Table.

CHARACTER AND CAUSE OF FATAL ACCIDENTS IN PENNSYLVANIA COAL MINES. Rept. Inspr. Pennsylvania Mines, 1877, p. 67. 18 pages. I.
- Rept. Inspr. Pennsylvania Mines, 1877, p. 88. 37 pages.
- Rept. Inspr. Pennsylvania Mines, 1877, p. 175. 18 pages. I.
- Rept. Inspr. Pennsylvania Mines, 1878, p. 15. 19 pages. I.
- Rept. Inspr. Pennsylvania Mines, 1878, p. 107. 68 pages.
- Rept. Inspr. Pennsylvania Mines, 1878, p. 207. 16 pages. I.
- Rept. Inspr. Pennsylvania Mines, 1880, p. 67. 10 pages.
- Rept. Inspr. Pennsylvania Mines, 1880, p. 102. 16 pages.
- Rept. Inspr. Pennsylvania Mines, 1880, p. 139. 24 pages.

CHARACTER OF FATAL ACCIDENTS IN PENNSYLVANIA ANTHRACITE MINES. Rept. Inspr. Mines, Pennsylvania, 1875, p. 86. List.
- Rept. Inspr. Mines, Pennsylvania, 1875, p. 99. List.
- Rept. Inspr. Mines, Pennsylvania, 1876, p. 15. 12 pages.
- Rept. Inspr. Mines, Pennsylvania, 1876, p. 37. 6 pages.
- Rept. Inspr. Mines, Pennsylvania, 1876, p. 64. 7 pages.
- Rept. Inspr. Mines, Pennsylvania, 1876, p. 118. 14 pages.
- Rept. Inspr. Mines, Pennsylvania, 1876, p. 159. 5 pages.
- Rept. Inspr. Mines, Pennsylvania, 1877, pp. 19, 41 and 45. 6 pages.

LIGHTNING AND COLLIERIES. E. & M. J., vol. 37, p. 441. 1 column.

CAUSES OF ACCIDENTS IN PENNSYLVANIA MINES. Rept. Inspr. Mines, Pennsylvania, 1880, p. 219. 14 pages.
- Rept. Inspr. Mines, Pennsylvania, 1879, p. 26. 13 pages. I.
- Rept. Inspr. Mines, Pennsylvania, 1879, p. 50. 14 pages.
- Rept. Inspr. Mines, Pennsylvania, 1879, p. 137. 80 pages.
- Rept. Inspr. Mines, Pennsylvania, 1879, p. 297. 18 pages. I.
- Rept. Inspr. Mines, Pennsylvania, 1873, p. 40. 5 pages.
- Rept. Inspr. Mines, Pennsylvania, 1881, p. 28. 40 pages. I.
- Rept. Inspr. Mines, Pennsylvania, 1881, p. 99. 26 pages. I.
- Rept. Inspr. Mines, Pennsylvania, 1881, p. 161. 40 pages. I.
- Rept. Inspr. Mines, Pennsylvania, 1881, p. 295. 20 pages.

IMMINENT MINE DANGERS: The Derangement of Ventilation by Electric Haulage and Its Menace to the Traveling Ways. By Geo. Harrison. M. & M., vol. 27, p. 79. 2 columns.

SMOKING IN MINES. Min. & Sci. Press, vol. 41, p. 237. ¾ column.

A FATALITY CAUSED BY LOW-PRESSURE ELECTRIC CURRENT IN A LANCASHIRE COLLIERY. By G. H. Winstanley. T. I. M. E., vol. 29, p. 349. 10½ pages.

LIGHTNING IN A MINE. E. & M. J., vol. 6, p. 402. Note.

CAUSE AND PREVENTION OF ACCIDENTS IN MINES: England. E. & M. J., vol. 24, p. 150. ½ column.

CARELESSNESS INCIDENT TO FAMILIARITY. Coll. Engr., vol. 9, p. 151. ¼ column.

LIGHTING OF MINES. Coll. Engr., vol. 11, p. 285. 2 columns.

DANGERS OF OLD MINE WORKINGS. By A. Lakes. M. & M., vol. 19, p. 509. 2½ columns. I.

DANGERS FROM OLD WORKINGS. M. & M., vol. 20, p. 90. 2½ columns. I.

Causes of Accidents: Extracts from the Reports of the Several Mine Inspectors of the State of Pennsylvania. M. & M., vol. 19, p. 101. 4¼ columns.

Cause of Accidents in Wales (Mines). By W. H. Preece. Engineering, vol. 70, p. 614, London. Lists.

Dangers from Electric Appliances in Coal Mines. E. & M. J., vol. 65, p. 435. 1 column.

Accident Due to Failure of Signalling Device. T. A. I. M. E., vol. 8, p. 94.

Danger from Electrical Appliances: Some German and French Experiments in Regard to the Ignition of Gas in Coal Mines by Electrical Apparatus. M. & M., vol. 18, p. 559. 1½ columns.

Cause of Death in Collieries. E. & M. J., vol. 62, p. 53. ⅞ column.
See Electricity in Mines.

Device to Prevent Collision between Cars in a Side-way and Those in Main Haulage-way. E. & M. J., vol. 64, p. 401. I.

Windy and Blown-Out Shots. M. & M., vol. 26, p. 309. ⅓ column.

Prevention of Windy and Blown-out Shots. M. & M., vol. 26, p. 285. ½ column.

Premature Blasts. Min. & Sci. Press, vol. 45, p. 22. ½ column.

Blasting in New York City. E. & M. J., vol. 81, p. 1106. 1 column.

Blown-out Shots and Their Prevention. T. N. S. I. M. & M. E., vol. 9, p. 350. 14 pages.

The Theory of Mis-Fires and Some Conclusions of Practical Value. By E. H. Weiskopf. P. C. & M. Soc. S. A., vol. 3, p. 96. 14 pages.

Mis-Fires. By J. D. Kendall. T. F. I. M. E., vol. 7, p. 605. 8 pages.

Delayed Ignition of Explosives. T. I. M. E., vol. 26, p. 624. 1½ pages.

Protection in Mining

Safety in Coal Mining. E. & M. J., vol. 52, p. 122. 3½ columns.

Safety Measures Adopted by the Fairmont Coal Company. By F. Haas. M. & M., vol. 28, p. 435. 5 columns. I.

Protection Against Quicksilver Fumes. E. &. M. J., vol. 12, p. 24. ⅔ column.

Prevention of Accidents in and Around Mines. By H. O. Prytherck. M. & M., vol. 28, p. 433. 2½ columns.

Life-Saving Stations in Mining Regions. M. & M., vol. 28, p. 469. ⅔ column.

Protection of Mines and Miners. By J. C. Beebe. M. & M., vol. 28, p. 551. 6 columns. I.

Prevention of Mining Accidents. Min. & Sci. Press, vol. 47, p. 49, and vol. 49, p. 161. ⅔ and 1 column.

Fire Protection in South Wilkes-Barre Colliery. E. & M. J., vol. 78, p. 466. ½ column.

Safety Measures in Mining. By D. Macaulay and L. G. Irvine. P. C. M. & M. Soc. S. A., vol. 6, p. 148. 16 columns.
P. C. M. & M. Soc. S. A., vol. 6, p. 197. 3 columns.
P. C. M. & M. Soc. S. A., vol. 6, p. 226. 4 columns.
P. C. M. & M. Soc. S. A., vol. 6, p. 251. 3 columns.
P. C. M. & M. Soc. S. A., vol. 6, p. 292. 31½ columns.
P. C. M. & M. Soc. S. A., vol. 6, p. 336. 5½ columns.
P. C. M. & M. Soc. S. A., vol. 6, p. 369. 1 column.

Safeguards in Bituminous Coal Mining. By W. E. Fohl. P. E. Soc. W. Pa., vol. 20, p. 315. 31 pages.

The Need of National Assistance in the Prevention of Mine Accidents. By J. Verner. M. & M., vol. 26, p. 217. 1½ columns.

Mining Accidents and Compensation in Germany. E. & M. J., vol. 40, p. 198.

To Decrease Accidents in Mines. Min. & Sci. Press, vol. 89, p. 376. ⅔ column.

Proposed Chambers of Refuge for Coal Mines, Supplied with Compressed Air. M. & M., vol. 27, p. 85. 1 column. I.

Transvaal Government Commission on Safety in Shafts. Min. & Sci. Press, vol. 91, p. 347. 2¾ columns.

Bore-Holes for Life Saving in Coal Mining. By R. H. Dundas. E. & M. J., vol. 81, p. 1194. 2 columns.

Prevention of Accidents in Mines. By P. J. Slevin. M. & M., vol. 28, p. 121. 2½ columns.

Prevention of Mining Accidents. By E. W. Parker. M. & M., vol. 27, p. 207. 2 columns.

Safety Chambers in Coal Mines. E. & M. J., vol. 82, p. 1215. 1 column.

Preventative for Miner's Phthisis. E. & M. J., vol. 81, p. 1150. Note.

Prevention of Accidents in Mines. By A. King. Coll. Engr., vol. 12, p. 29. 4 columns.

Coll. Engr., vol. 12, p. 59. 2⅓ columns.

Coll. Engr., vol. 12, p. 77. 8⅓ columns.

Coll. Engr., vol. 12, p. 98. 5 columns.

Accidents Due to Fire Damp. Coll. Engr., vol. 13, p. 108. 4 columns.

Timbering Mines: Protection and Prevention of Accidents. M. & M., vol. 20, p. 277. 1 column.

The Causes of Accidents in Mines and the Means of Preventing Them. E. & M. J., vol. 19, p. 3. 1½ columns.

E. & M. J., vol. 19, p. 102. 1⅔ columns.

E. & M. J., vol. 19, p. 115. 1 column.

Prevention of Accidents. By M. G. Thomas. M. & M., vol. 18, p. 302. 3⅓ columns.

Connecting Coal Mines: Barrier Pillars. E. & M. J., vol. 80, p. 16. ½ column.

The Prevention of Accidents in Mines. By A. Kirkup. T. F. I. M. E., vol. 10, p. 2. 22 pages.

Timbering and Accidents: How Mine Accidents may be Prevented by Proper Timbering. By A. H. Stokes. M. & M., vol. 19, p. 230. 3½ columns. I.

Investigations into Some Electric Accidents and Means of Preventing Them. By L. W. de Grave. T. I. M. E., vol. 21, p. 136. 18 pages. I.

T. I. M. E., vol. 22, p. 264. 8 pages.

Mining Safeguards: To Increase the Security of Miners. By H. A. Lee. Coll. Engr. & Met. Miner, vol. 16, p. 270. 4 columns.

Safeguards: In Bituminous Coal Mining: Suggestions from Experience by Which the Mine Laws can be Rendered More Effective. By W. E. Fohl. M. & M., Oct., 1904, p. 124.

Preventable Accidents. E. & M. J., vol. 47, p. 539. 2 columns.

Lightning in a Mine. Coll. Engr., vol. 11, p. 54. Note.

Mining Accidents and Their Prevention. By G. Farmer. T. I. M. E., vol. 19, p. 72. 10 pages.

T. I. M. E., vol. 20, p. 270. 14 pages.

Railroad Accidents and Their Prevention. By H. G. Prout. Columbia Eng., '97–'98, p. 99. 12 pages. I.

Preventable Colliery Fatalities: Tables of Number of Fatalities from Various Causes. By B. McLaren. T. I. M. E., vol. 19, p. 21. 20 pages; and vol. 20, p. 270. 14 pages.

Some Safety Appliances for Mines. E. & M. J., vol. 64, p. 400. 2 columns. I.

Access to and from Mine Workings. Second Geol. Survey Pa. A. C., p. 285. 8 pages.

Rescue Work in Mines

UMPIRE MINE DISASTER: A description of the Work of Rescue. By W. Seddon. M. & M., vol. 19, p. 205. 4⅔ columns. I.

THE WORK OF A JOINT COLLIERY RESCUE-STATION. By M. H. Habershon. T. I. M. E., vol. 28, p. 254. 18 pages. I.

NOTES ON THE RECENT UNDERGROUND FIRE AT WHARNCLIFFE SILKSTONE COLLIERIES, AND THE USE OF RESCUE-APPARATUS IN CONNECTION THEREWITH. By J. Wroe. T. I. M. E., vol. 35, p. 2. 4 pages.

NOTES ON RECENT EXPERIENCE IN THE PRACTICAL USE OF RESCUE-APPARATUS. By S. A. T. Winborn. T. I. M. E., vol. 35, p. 7. 16½ pages. I.

MODERN DEVELOPMENTS OF LIFE-SAVING APPARATUS. By M. Bamberger and F. Böck. Min. Mag., vol. 12, p. 474. 18 columns. I.

THE WALCHU PNEUMATOPHORE, AND THE EMPLOYMENT OF OXYGEN FOR LIFE-SAVING PURPOSES. By R. Cremer. T. F. I. M. E., vol. 14, p. 575. 14 pages. I.

CHARGING RESCUE APPARATUS WITH OXYGEN. By J. Meyer. E. & M. J., vol. 68, p. 367. 1 column. I.

"PNEUMATOGEN" LIFE-SAVING APPARATUS FOR MINES. M. & M., vol. 26, p. 74. ¾ column.

ANCIENT BREATHING APPARATUS. By E. P. Buffet. E. & M. J., vol. 84, p. 1168. 1¼ columns. I.

THE FLEUSS BREATHING APPARATUS FOR USE IN MINES. By G. H. Winstanley. E. & M. J., vol. 63, p. 237. 2 columns.

THE USE AND CARE OF OXYGEN-BREATHING APPARATUS. By M. H. Habershon. T. I. M. E., vol. 33, p. 212. 22 pages.

BREATHING-APPARATUS FOR USE IN MINES. By L. Hill. T. I. M. E., vol. 35, p. 24. 21 pages.

A JOINT COLLIERY RESCUE-STATION. By M. H. Harbershon. T. I. M. E., vol. 21, p. 100. 14 pages. I.

EXPERIMENTAL GALLERY FOR TESTING LIFE-SAVING APPARATUS. By W. E. Garforth. T. I. M. E., vol. 22, p. 169. 12 pages. I.

BREATHING APPARATUS IN MINES. M. & M., vol. 28, p. 257. 8⅔ columns. I.

M. & M., vol. 28, p. 339. 6 columns. I.

SAVING LIFE IN COLLIERY EXPLOSIONS. By E. J. Bailey. T. F. I. M. E., vol. 13, p. 133. 7 pages. I.

THE WORK OF A JOINT COLLIERY RESCUE STATION. By M. H. Habershon. E. & M. J., Feb. 23, 1905, p. 372. 1 column.

T. I. M. E., vol. 28, part 2.

A NEW RESPIRATION APPARATUS. By J. Meyer. E. & M. J., vol. 65, p. 343. 1 column. I.

A STRETCHER FOR USE IN MINES. By J. F. K. Brown. T. I. M. E., vol. 33, p. 162. 1½ pages. I.

THE PNEUMATOGEN: The Self-Generating Rescue-Apparatus, Compared with Other Types. By R. Cremer. T. I. M. E., vol. 32, p. 51. 23½ pages. I.

EXPLORATION OF MINES AFTER ACCIDENTS. Min. & Sci. Press, vol. 46, p. 365. ¾ column.

RESCUE WORK IN COAL MINES. By M. Vingoe. E. & M. J., vol. 82, p. 257. ½ column.

PROTECTIVE MEASURES IN RESCUE WORK. E. & M. J., vol. 82, p. 296. ⅓ column.

BREATHING APPLIANCES. T. I. M. E., vol. 31, pp. 722 to 724.

RESCUE-APPARATUS FOR USE IN MINES. By J. Bain. T. I. M. E., vol. 34, p. 72. 4 pages.

RESCUE-APPARATUS AND THE EXPERIENCES GAINED THEREWITH AT THE COURRIÉRES COLLIERIES BY THE GERMAN RESCUE-PARTY. BY G. A. Meyer. T. I. M. E., vol. 31, p. 575. 50 pages. I.

A New Apparatus for Rescue-Work in Mines. By W. E. Garforth. T. I. M. E., vol. 31, p. 625. 34 pages. I.

Demonstration of Rescue-Apparatus, Felling, Aug. 31, 1907. T. I. M. E., vol. 35, p. 210. 20 pages. I.

Experimental Gallery For Testing Life-Saving Apparatus. By W. E. Garforth. T. I. M. E., vol. 27, p. 169. 11½ pages. I.

Rescue Apparatus for Mine Fires. By J. Wroe. M. & M., vol. 28, p. 557. 2⅓ columns. I.

Saving Life After Colliery Explosions. Am. Jour. Min., vol. 4, p. 183. ½ column.

Life Brigades for Mining Districts. Min. & Sci. Press, vol. 47, p. 152. ½ column.

Diving Armor for Miners. Min. & Sci. Press, vol. 26, p. 246. ⅓ column.

The Use of Divers in Mining. By Kuppers. M. & M., vol. 26, p. 424. 1 column.

Compensation for Injuries

Colliery Accident Relief Fund. Min. & Sci. Press, vol. 47, p. 38. 1½ columns.

Miner's Beneficial Fund. E. & M. J., vol. 23, p. 235. ½ column.

Miner's Accident Funds in Australia. E. & M. J., vol. 78, p. 349. 1½ columns.

The Beneficial Fund of the Lehigh Coal and Navigation Company. By J. S. Harris. T. A. I. M. E., vol. 12, p. 587.

Health of Miners

Compressed-Air Illness. T. I. M. E., vol. 30, p. 220. 8 pages.

Effect of Bad Air on Miners. T. A. I. M. E., vol. 8, p. 111.

Recent Researches on Ankylostomiasis. By E. Smith. British Medical Assoc., July, 1904. Min. Mag., Dec. 1904, p. 399. ½ column.

The Effect of the Watering of Coal Mines on the Spread of Ankylostomiasis. By J. Wroe. T. I. M. E., vol. 29, p. 210. 4 pages.

Miner's Phthisis. By T. L. Carter. E. & M. J., vol. 75, p. 474. 4 columns. I.

E. & M. J., vol. 75, p. 633. W. Cullen. 4 columns.

A New Changing-House at the W. Vulcan Mine. By W. Kelley. L. S. M. I., vol. 8, p. 70. 6 pages. I.

Mine Hospitals: Hospital Car, and Emergency Equipment of the D. L. & W. R. R. Co. at Mines. First Aid Instruction for the Men. M. & M., vol. 26, p. 158. 6⅔ columns. I.

The Eyesight of Coal Miners. E. & M. J., vol. 51, p. 723. ½ column.

Health in Mining Camps. E. & M. J., vol. 80, p. 68. 1¾ columns.

Health in Mining Camps. E. & M. J., vol. 79, p. 1133. 3½ columns.

Sanitary Improvements in the Quicksilver Mines of Idria, Spain. E. & M. J., vol. 46, p. 435. 1 column.

Miner's Changing and Wash Houses in Germany. E. & M. J., vol. 59, p. 586. Note.

Nystagmus, the Eye Disease of Coal-Miners. E. & M. J., vol. 60, p. 565. Note.

Miner's Phthisis. M. & M., Aug., 1904, p. 21.

E. & M. J., vol. 77, p. 915. ½ column.

Prevention of Miner's Phthisis. E. & M. J., vol. 78, p. 81. 1½ columns.

Mining Camps in Arid Regions: Things that are Absolutely Necessary if they are to be Prosperous. By A. Lakes. M. & M., July, 1903, p. 563.

Sanitary Precautions in the Construction of Miners' Houses. By H. Douglas. E. & M. J., vol. 48, p. 162. 1 column.

Hygiene of Mines in Pennsylvania Collieries. Second Geol. Survey Pa. A. C., p. 423. 20 pages.

A New Changing House at the Cliffs Shaft Mine. By J. S. Mennie. T. L. S. M. I., vol. 9, p. 121. 6 pages. I.

Caisson Disease. Min. & Sci. Press, vol. 35, p. 135. ½ column.

Coal Mining and the Health of Miners. E. & M. J., vol. 58, p. 513. 1 column.

Tunnel Trichinosis: St. Gothard Tunnel. Min. & Sci. Press, vol. 40, p. 375. ¼ column.

Working in Foul Air Underground: A Respirator. Min. & Sci. Press, vol. 46, p. 344. 1⅓ columns.
Min. & Sci. Press, vol. 47, p. 9. 1 column.

Diseases of Miners. Min. & Sci. Press, vol. 42, p. 230. ½ column.

A Miner's Club-House. Min. & Sci. Press, vol. 57, p. 205. 1 column. I.

Death Rate of Large Cities. Min. & Sci. Press, vol. 67, p. 410. Table.

Miner's Consumption. Min & Sci. Press, vol. 66, p. 106. ¾ column.

Homes of Factory Operatives. Min. & Sci. Press, vol. 55, p. 241. 2¾ columns. I.

Workingmen's Houses. Min. & Sci. Press, vol. 55, p. 401. ¾ column. I.

Workingmen's Houses in Mulhouse. Min. & Sci. Press, vol. 56, p. 17. ½ column.

Workingmen's Homes. Min. & Sci. Press, vol. 56, p. 85. ¾ column. I.

Oil and Dust from Rock Drill Use in Mines. (Hurtful to Miners.) Min. & Sci. Press, vol. 86, p. 303. 1½ columns.

The Importance of the Ordinary Sanitary Precautions in the Prevention of Water-borne Disease in Mines. By B. W. Jones. T. L. S. M. I., vol. 12, p. 105. 12 pages.

Medical Department of the Colorado Fuel and Iron Company. By L. Lewis. E. & M. J., vol. 83, p. 1177. 7½ columns. I.

Ankylostomiasis. Min. & Sci. Press, vol. 84, p. 48. ½ column.

Working Under High Air Pressures. By M. Vinge. E. & M. J., vol. 82, p. 293. 1 column.

Negro Mortality in the Transvaal. By T. L. Carter. E. & M. J., vol. 83, p. 83. ⅔ column.

Ankylostomiasis: The Worm-Disease in Mines. By F. W. Gray. T. I. M. E., vol. 26, p. 183. 27 pages.

Cologne Conference on Ankylostomiasis. T. I. M. E., vol. 31, p. 743. 1½ pages.

Miner's Phthisis: Some Notes and Suggestions. By Wm. Cullen. P. C. & M. Soc. S. A., vol. 3, p. 217. 55 pages.

The Miner's Worm-Disease as Seen in Westphalian and Hungarian Collieries. By T. Oliver. T. I. M. E., vol. 28, p. 196. 28 pages.

Health in the Sulphur Mines of Sicily. By G. Giardina. T. I. M. E., vol. 28, p. 720. 3 pages.

The Vitiation of the Air in Transvaal Mines. By J. Moir. P. C. M. & M. Soc. S. A., vol. 6, p. 11. 11 columns.
P. C. M. & M. Soc. S. A., vol. 6, p. 53. ¾ column.
P. C. M. & M. Soc. S. A., vol 6, p. 158. 7 columns.
P. C. M. & M. Soc. S. A., vol. 6, p. 191. 3 columns.

The Probability of Ankylostoma Becoming a Permanent Inhabitant of our Coal Mines, in the Event of its Introduction. T. I. M. E., vol. 28, p. 707. 8 pages.

Ankylostomiasis in Dortmund. T. I. M. E., vol. 28, p. 719. 1⅓ columns.

Ankylostoma in the Sulphur Mines of Sicily. T. I. M. E., vol. 28, p. 723. 1 page +.

Provision for the Health and Comfort of Miners: Miners' Homes. By W. P. Blake. T. A. I. M. E., vol. 3, p. 218.

The Hygiene of Mines. By R. W. Raymond. T. A. I. M. E., vol. 8, p. 97.

Ankylostomiasis: A Forewarning. By W. C. C. Pakes. P. C. & M. Soc. S. A., vol. 4, p. 389. 16½ pages.

Ankylostomiasis Regulations in Austria. Min. Mag., Dec., 1904, p. 399. ½ column.

The Health Conditions of Coal-Mining. By J. Barrowman. T. F. I. M. E., vol. 11, p. 240. 8 pages.

Miner's Anæmia or Ankylostomiasis. By J. S. Haldane. T. I. M. E., vol. 25, p. 643. 27 pages. I.

Antiseptics in Food and Clothing. Engineering, vol. 70, p. 571, London. 3 columns.

First Aid in Mining Accidents

First Aid in Cases of Electric Shock. E. & M. J., vol. 82, p. 250. 8¾ columns. I.

First Aid to the Injured in Mining. By G. W. King. E. & M. J., vol. 74, p. 341. 5 columns.

First Aid to the Injured in Mines. By M. J. Shields. E. & M. J., vol. 80, p. 494. 4½ columns.

First Aid to the Injured. M. & M., vol. 28, p. 315. 4 columns. I.

First-Aid Organization of the Lehigh Valley Coal Company. By M. S. Hachita. E. & M. J., vol. 84, p. 833. 1 column +.

First Aid to Injured in Mining Accidents. By Geo. W. King. M. & M., Nov., 1902, p. 151. 8 columns.

First-Aid Treatment of Acute Cyanide Poisoning. By H. C. Jenkins. T. I. M. E., vol. 13, p. 480. 5 pages.

First-Aid Contest. M. & M., vol. 28, p. 209. 6 columns. I.

The First-Aid Packet in Civil Practice and the Organization of First-Aid Societies. By M. J. Shields. M. & M., vol. 21, p. 207. 1½ columns.

Fellow Aid in Mining Accidents. By G. W. King. E. & M. J., vol. 64, p. 245. 3½ columns. I.

First Aid to the Injured in Mines. By E. Hamilton. E. & M. J., vol. 67, p. 713. 2 columns. I.

Falls of Roof and Walls in Mines

Buried in a Mine (Tunnel). Min. & Sci. Press, vol. 49, p. 150. ⅓ column.

Caving of the Hudson River Tunnel. Min. & Sci. Press, vol. 41, p. 56. ½ column.

Dangerous Outcrops under Quicksand Deposits as Found in the Ancient River Bed of the Wyoming Coal Basin. By G. M. Williams. M. & M., vol. 20, p. 410. 5½ columns. I.

Death Rate from Falls of Roof and Coal. By J. T. Beard. M. & M., Aug., 1901, p. 27. 1½ columns.

Accidents from Falls of Roof. E. & M. J., vol. 68, p. 307. ⅓ column.

Remarkable Mine Cave-In at Olyphant, Pa. M. & M., Apr., 1903, p. 419. 1½ columns.

Roof Falls and Other Accidents. Second Geol. Survey of Pennsylvania. A. C., p. 399. 18 pages.

Falls of Roof and Sides. Min. & Sci. Press, vol. 47, p. 88. 1 column.

The Caving of the Diamond Mine, Scranton, Pa. E. & M. J., vol. 26, p. 261. ½ column.

Outbursts of Gas and Coal at the Morrissey Collieries, British Columbia. By J. Ashworth. T. I. M. E., vol. 29, p. 56. 13 pages. I.

Fall of Side in Shaft in Upper Silesia. T. I. M. E., vol. 30, p. 649. 1 page.

Fall of Scaffolding in a Shaft in Westphalia. T. I. M. E., vol. 30, p. 650. 1 page.

Rock-Thrusts in Westphalian Collieries. By Dill. T. I. M. E., vol. 27, p. 720. 1½ pages.

Collapse of the Open Workings at the Kimberley Mine. Min. & Sci. Press, Vol. 92, p. 365. ½ column.

The Catastrophe at Lugan: Caving of Shaft. Am. Jour. Min., vol. 4, p. 66. ⅔ column.

In the Midst of a Cave. Min. & Sci. Press, vol. 35, p. 66. 1½ columns.

Fatal Mining Accident: Fall in Open Shaft. Min. & Sci. Press, vol. 28, p. 10. 1 column.

Fall of Men Down Shafts. T. A. I. M. E., vol. 8, p. 90.

An Outburst of Gas at Houghton Main Colliery. By J. Janatt. T. F. I. M. E., vol. 1, p. 29. 9 pages. I.

Discussion on Mr. Marshall's Paper on "An Outburst of Gas at Monk Bretton Colliery." T. F. I. M. E., vol. 1, p. 23. 4 pages. I.

Coal Dust as an Explosive Agent

Dust Explosion at the Mines of the Compania Carbonifera de Sabinas, Rosita, Mexico. By M. Schwarz. M. & M., vol. 28, p. 524. 2½ columns. I.

Dust Explosions in Flour Mills. Min. & Sci. Press, vol. 25, p. 275. ⅞ column.

Removing Coal Dust by the Vacuum Cleaning Method. M. & M., vol. 28, p. 534. 1½ columns. I.

Coal Dust as a Factor in Mine Explosions. By H. M. Payne. M. & M., vol. 28, p. 569. 9½ columns. D.

Elliot Washer and Hardy Dust-Extractor and Grinder. By E. Greaves. T. I. M. E., vol. 33, p. 138. 12 pages. I.

Spraying Arrangement as Used at Dolcoath Mine. T. I. M. & M., vol. 13, p. 391. 1 page. I.

The Dust in the Air and the Gases from Explosives in a Cornish Mine (Dolcoath). By R. A. Thomas. T. I. M. & M., vol. 13, p. 439. 42 pages. I.

Improved Nozzle for Water Spray. T. I. M. & M., vol. 13, p. 442. 1 page. I.

Experiments Illustrative of the Inflammability of Mixtures of Coal Dust and Air. By P. P. Bedson. T. I. M. E., vol. 34, p. 91. 10 pages. I.

An Ignition of Coal-Dust at Middleton Colliery. By J. Neal. T. I. M. E., vol. 34, p. 221. 11 pages. I.

Coal-Dust Explosions in Collieries. Iron and Coal Trades Review, London, March 29.

Dust Made in Mining Coal. By C. E. Scott. M. & M., vol. 28, p. 477. 2 columns. I.

A Spraying Device. By W. Clifford. M. & M., vol. 28, p. 488. 3 columns. I.

A Compressed Air Dust Remover. M. & M., vol. 28, p. 488. 3 columns. I.

Bibliography of Coal Dust. M. & M., vol. 28, p. 444. 4 columns.

Inflammability of Mixtures of Coal Dust and Air. E. & M. J., vol. 84, p. 833. ⅞ column.

Comparative Amount of Dust made in Mining with Puncher Machines, Chain Machines and Hand Mining. By B. F. Jones. M. & M., vol. 28, p. 397. 1 column.

The Watering of Dust in Welsh Coal Mines. By W. N. Atkinson. E. & M. J., vol. 84, p. 1075. 1½ columns.

Observations on Water-Sprayed or Damped Air in Coal Mines. By James Ashworth. T. I. M. E., vol. 29, p. 11. 17 pages.

The Dust-Danger. By W. H. Pickering. T. I. M. E., vol. 29, p. 134. 12 pages.

An Improved Apparatus for Laying Dust in Coal Mines. By J. Cresswell-Roscamp. T. I. M. E., vol. 28, p. 578. 7 pages.

Collecting Coal Dust in Screening. E. & M. J., vol. 83, p. 387. ¼ column.

Determination of Amount of Coal Dust in Mine Air. E. & M. J., vol. 83, p. 243. ¼ column.

Igniting Coal Dust by Incandescent Lights. E. & M. J., vol. 83, p. 147. Note.

The Effect of Coal Dust in Colliery Explosions. (From Colliery Guardian.) T. N. S. I. M. & M. E., vol. 10, p. 307. 20 pages.

Coal Dust, a Cause of Explosion, and How to Lay it. By Prof. Lupton. T. N. S. I. M. & M. E., vol. 9, p. 167. 20 pages.

Dust in Mines. Coll. Engr., vol. 10, p. 152. 2½ columns.

    Coll. Engr., vol. 12, p. 113. 1 column.

    Coll. Engr., p. 196. ¼ column.

    Coll. Engr., p. 268. 6½ columns.

    Coll. Engr., vol. 13, p. 6. 1⅔ columns.

    Coll. Engr., vol. 13, p. 251. 1½ columns. I.

The Spraying or Watering Problems of Dusty Mines. M. & M., vol. 24, p. 1. 7¼ columns. I.

On Laying Coal Dust and Purifying the Atmosphere of Mines. By J. A. Ramsey. Coll. Engr., vol. 8, p. 194. 6 columns. I.

Explosions of Coal Dust. Second Geol. Survey Pennsylvania. A. C., p. 394. 2½ columns.

Coal Dust and Colliery Explosions. Coll. Engr., vol. 9, p. 80. 1 column.

An Explosion in which Coal-Dust was an Important Element. Coll. Engr., vol. 9, p. 201. ⅓ column.

Another Explosion in which Coal-Dust Plays a Prominent Part. Coll. Engr., vol. 9, p. 209. 2 columns.

Dust in Mines. Coll. Engr., vol. 10, p. 20. 2½ columns.

Coal-Dust Firing. By E. Corey. E. & M. J., vol. 80, p. 1113. 4½ columns.

    E. & M. J., vol. 76, p. 1007. ⅞ column.

Coal Dust and Colliery Explosions. E. & M. J., vol. 51, p. 738. ¾ column.

Mining Methods: Air Coursing in Relation to Haulage. How the Cars Produce Coal-Dust. Coll. Engr. & Met. Miner, vol. 16, p. 138. 2 columns. I.

The Prussian Experiments on Coal-Dust in Colliery Explosions. E. & M. J., vol. 39, p. 221. 3 columns.

Dusty Shots as a Factor in Coal Dust Explosions. By H. S. Munroe. E. & M. J., vol. 75, p. 963. 4⅔ columns.

    E. & M. J., vol. 76, p. 6. ½ column.

Explosiveness of Coal-Dust. By Mr. Jackson. E. & M. J., Mar. 2, 1905, p. 422. 1 column.

Coal-Dust Explosions in Mines. M. & M., vol. 25, p. 336. 3½ columns.

Coal Dust, a Cause of Colliery Explosions. Coll. Engr., vol. 8, p. 83. ½ column.

Electric Lights and Coal Dust. E. & M. J., vol. 80, p. 496. ⅔ column.

Dust in Mines. E. & M. J., vol. 75, p. 470. 1⅔ columns.
E. & M. J., vol. 75, p. 518. ½ column.

Prevention of Dust in Mines, South Africa. E. & M. J., vol. 76, p. 854. 4 columns.

Coal Dust Experiments. M. & M., July, 1903, p. 551.

Influence of Coal Dust in Colliery Explosions. By W. Galloway. E. & M. J., vol. 22, p. 185. 2⅔ columns.

Coal Dust as a Factor in Mine Explosions. E. & M. J., vol. 77, p. 753. 2 columns.

Precautions Against Coal-Dust Explosions. E. & M. J., vol. 63, p. 446. 1 column.

Coal-Mine Explosions in Kansas. E. & M. J., Mar. 16, 1905, p. 509. 4½ columns.

Experiments with Coal-Dust. T. A. I. M. E., vol. 13, pp. 255, 258, 264, 265, 270.

Coal-Dust and Fire-Damp. T. A. I. M. E., vol. 13, pp. 264, 268.

Volatile Portion of Coal may not be the Only Means of Propagating an Explosion. T. A. I. M. E., vol. 13, p. 259.

Inflammability of Coal-Dust. T. A. I. M. E., vol. 13, p. 254.

Notes on Coal-Dust in Colliery Explosions. By E. S. Hutchinson. T. A. I. M. E., vol. 13, p. 253.

Coal-Dust and Explosions. By T. A. Jackson. Coal and Timber, Jan., 1905; Min. Mag., Mar., 1905, p. 262.

Mine Explosions Generated by Grahamite Dust. By W. Glenn. T. A. I. M. E., vol. 24, pp. 195 and 898.

The Prevention of Coal-Dust. By W. H. Pickering. E. & M. J., Feb. 23, 1905, p. 374. 1 column.

Water as a Preventative for Coal Mine Explosions. T. A. I. M. E., vol. 26, p. 133.

Watering Coal Dust in Mines. E. & M. J., vol. 80, p. 355. 1⅙ columns.

Coal-Dust as an Explosive Agent. By D. M. D. Stuart. T. A. I. M. E., vol. 26, p. 108.

The Spraying or Watering Problem of Dust in Mines. M. & M., Dec., 1903, p. 219.

Coal-Dust Explosions in Mines: Conditions under which They have Occurred and the Methods Suggested for their Prevention. By W. H. Groves. M. & M., Feb., 1905, p. 336. 4 columns.

Explosions from Coal-Dust in English Mines. By S. H. North. E. & M. J., vol. 57, p. 273. 1 column.

Notes on the Explosion of Coal-Dust. By W. J. Orsman. T. F. I. M. E., vol. 11, p. 536. 3 pages.

A Dust Explosion: A Peculiar Explosion on a Tipple at the Crested Butte Mine, Colo. By D. Griffiths. M. & M., vol. 18, p. 496. 1½ columns. I.

Coal-Dust Explosions: A Study of Their Origin and Extension. By J. Verner. Coll. Engr. & Met. Miner, vol. 17, p. 26. 3½ columns.

Behavior and Action of Coal-Dust. T. F. I. M. E., vol. 4, p. 651.

A New Method of Laying Coal-Dust. By H. R. Hewitt. T. F. I. M. E., vol. 4, p. 494. 7 pages. I.

The Phenomena of Coal-Dust Explosions. By F. E. Thorpe. T. F. I. M. E., vol. 3, p. 681. 12 pages. I.

What Quantity of Dust is Dangerous? T. F. I. M. E., vol. 3, p. 401.

Coal-Dust. By H. Hall. T. F. I. M. E., vol. 2, p. 415. 18 pages.

The Combustion of Oxygen and Coal-Dust in Mines. By W. C. Blackett. T. F. I. M. E., vol. 7, p. 54. 12 pages.

COAL-DUST IN MINES AND ITS RELATION TO EXPLOSIONS. By C. Dunbar. T. F. I. M. E., vol. 6, p. 372. 4 pages.

DESCRIPTION OF THE ARRANGEMENTS AT THE MAYBACH COLLIERY (Germany) FOR WATERING COAL-DUST. By C. Hoarmann. T. F. I. M. E., vol. 9, p. 90. 10 pages. I.

A CONTRIBUTION TO OUR KNOWLEDGE OF COAL-DUST. By P. P. Bedson. T. F. I. M. E., vol. 7, p. 32. 21 pages.

AUTOMATIC SPRAYER FOR PREVENTING ACCUMULATIONS OF DUST IN MINES. By R. Harle. T. I. M. E., vol. 18, p. 113. 7 pages. I.

EXPLOSIONS OF FIRE-DAMP AND COAL-DUST IN THE WEST OF SCOTLAND. By T. H. Mottram. T. I. M. E., vol. 18, p. 186. 8 pages.

A CURIOUS EXPLOSION OF THE POCAHONTAS FIRE DAMP EXPLOSION. E. & M. J., vol. 38, p. 253. ½ column.

E. & M. J., vol. 38, p. 281. 1 column.

See ELECTRICITY IN THE MINE.

MINE EXPLOSIONS, EXCESSIVE USE OF POWDER AND OTHER CAUSES: Energy Developed in the Combustion of Powder and Coal Dust. By J. T. Beard. M. & M., vol. 25, pp. 599 and 560. 2½ columns and 3¼ columns.

THE VICTORIA MINE DISASTER. E. & M. J., vol. 43, p. 343. ½ column.

THE NANTICOKE DISASTER (Explosion). Coll. Engr., vol. 12, p. 111. 1 column.

EXPLOSION IN A COAL BOX. Coll. Engr., vol. 12, p. 212. 1 column.

WET ROADS AS A CHECK TO COLLIERY EXPLOSIONS. E. & M. J., vol. 81, p. 1001. 1¼ columns.

GAS *vs.* DUST EXPLOSIONS. E. & M. J., vol. 81, p. 1103. 2 columns.

ON THE EXPLOSIVE PROPERTIES OF FIRE-DAMP AND COAL-DUST AS DEMONSTRATED IN RECENT EXPERIMENTS CONDUCTED BY PROFESSOR ABEL. By C. Lawton. T. N. S. I. M. & M. E., vol. 6, p. 58. 10 pages.

COAL-DUST IN FIERY SEAMS. By R. Stevenson. T. N. S. I. M. & M. E., vol. 6, pp. 133 and 216. 3 pages, 5 pages.

Mine Fires

MINE FIRE AT BUTTE. M. & M., Apr., 1901, p. 423. 1 column.

THE WARRIOR RUN MINE DISASTER. By C. Euzian. M. & M., vol. 27, p. 439. 10½ columns. I.

THE BELMONT MINE ACCIDENT (A Fire.) Min. & Sci. Press, vol. 56, p. 429. ½ column.

FIRE IN A COLLIERY AT PETRZKOWITZ, SILESIA. T. I. M. E., vol. 31, p. 724. 1½ pages.

A GOB-FIRE IN A SHROPSHIRE MINE. By St. V. C. Jones. T. I. M. E., vol. 33, p. 78. 10½ pages.

GOB-FIRES IN THE THICK COAL OF WARWICKSHIRE, ENGLAND. T. A. I. M. E., vol. 33, p. 504. 3 pages.

A GOB-FIRE IN THE TEN-FEET SEAM, NORTH STAFFORDSHIRE, ENGLAND. By W. G. Peasegood. T. I. M. E., vol. 30, p. 46. 4 pages. I.

THE OCCURRENCE OF UNDERGROUND FIRES AT THE GRETA COLLIERY, N. S. WALES. By J. Jeffries. T. I. M. E., vol. 29, p. 518. 30 pages. I.

AN OUTBREAK OF FIRE, AND ITS CAUSE AT LITTLEBURN COLLIERY. By M. F. Holliday. T. I. M. E., vol. 29, p. 294. 4 pages.

FIRE IN A LANARKSHIRE COLLIERY, AND DESCRIPTION OF A CONDENSER USED THEREAT. By J. C. Weir. T. I. M. E., vol. 28, p. 19. 6 pages. I.

FIRES IN MINES, WITH PARTICULAR REFERENCE TO SEAMS IN THE NORTH STAFFORDSHIRE COAL FIELD. By G. E. Lawton. T. I. M. E., vol. 27, p. 109. 17 pages. I.

THE PROBLEM OF GOB-FIRES. By G. Farmer. T. I. M. E., vol. 28, p. 434. 30 pages.

Mine Fires. T. I. M. E., vol. 26, p. 651. 6 pages.

The Warrior Run Colliery Fire. By M. S. Hachita. E. & M. J., vol. 82, p. 450. ¾ column.

Mine Fires at Broken Hill. E. & M. J., vol. 82, p. 289. ½ column.

Coal Mine Fires. By R. V. Norris. E. & M. J., vol. 83, p. 286 and p. 334. 7 columns, 5½ columns. I.

The De Beers Mine Disaster. T. N. S. I. M. & M. E., vol. 10, p. 111. 1 page.

Mines on Fire: East Sugar Loaf and Council Ridge Mine. Rept. Inspr. Mines, Pa., 1878, p. 229. 1 page.
 Rept. Inspr. Mines, Pa., 1880, p. 28. 15 pages. I.
 Rept. Inspr. Mines, Pa., 1879, p. 107. 15 pages.

Setting Fire to a Coal Mine by Drawing Pillars, so Letting Fire Drop into Mine. Rept. Inspr. Mines, Pa., 1878, p. 260. Note.

The Butler Mine Fire. Rept. Inspr. Mines, Pa., 1880, p. 167. 1 page.
 Rept. Inspr. Mines, Pa., 1879, p. 247. 1½ pages.

Mine Fires: The Baltimore and Prospect Shaft Fires. Rept. Inspr. Mines, Pa., 1876, p. 132. 2½ pages.

Fire at Short Mt. Colliery. Rept. Inspr. Mines, Pa., 1877, p. 47. 1 page.

Ashley Colliery Fire. Rept. Inspr. Mines, Pa., 1877, p. 51. ½ page.

Roaring Brook and Butler Mine Fires. Rept. Inspr. Mines, Pa., 1877, p. 136. 2 pages. I.

Underground Fires. Rept. Inspr. Mines, Pa., 1881, p. 13. 5 pages. I.

The Kehley's Run Colliery Fire. Rept. Inspr. Mines, Pa., 1881, p. 70. 10 pages. I.

The Stanton Colliery Mine Fire. Rept. Inspr. Mines, Pa., 1881, p. 77. 2 pages.

Fires in Mines. Rept. Inspr. Mines, Pa., 1881, p. 139. 1 page.

Mine Fires in Pennsylvania Coal Mines. Rept. Inspr. Mines, Pa., 1881, p. 280. 2 pages. I.

The Comstock Mining Disaster (Fire). Min. & Sci. Press, vol. 55, p. 4. 2 columns.
 Min. & Sci. Press, vol. 55, p. 21. 2 columns. I.
 Min. & Sci. Press, vol. 55, p. 37. 1 column.

The Broken Hill Fire. E. & M. J., vol. 81, p. 618. ¾ column.

Cause of Fire in Coal Mines. M. & M., vol. 26, p. 309. ⅓ column.

The United Mine on Fire. Coll. Engr., vol. 11, p. 136 and p. 219. ½ column, ¾ column.

The Hill-Farm-Parrish Mine Fire. Coll. Engr., vol. 13, p. 105. 6½ columns. I.

A Mine Fire Conquered. Coll. Engr., vol. 13, p. 110. ⅔ column.

Underground Fire in the Wynnstay Colliery. E. & M. J., vol. 19, p. 454. 2 columns.

Fires in the Mines near Wilkes-Barre. E. & M. J., vol. 17, p. 85 1 column.

The Story of a Burned-Out Coal Mine. E. & M. J., vol. 66, p. 454. ½ column.

Fires in Coal Mines and Their Extinction. E. & M. J., vol. 21, p. 491. 1½ columns.

Underground Fire Attributed to Electric Conductors. E. & M. J., vol. 64, p. 280. ⅔ column.
 Coll. Guard., Aug. 13, 1897.

The Smuggler Union Mine Fire: The Inspector's Account of the Disaster and the Causes which Resulted in Such Large Fatalities. M. &. M., Jan., 1902, p. 271. 2¾ columns. I.
 E. & M. J., vol. 65, p. 75. 1 column.

Mine Fires in Ohio. E. & M. J., vol. 80, p. 16. 1¼ columns.

Brick Stoppings: Fire Prevention. E. & M. J., vol. 80, p. 16. ¼ column.

The Underground Fire at the Lake Superior Mine, Ishpeming, Mich. By J. P. Channing. E. & M. J., vol. 53, p. 106. 1¾ columns.

A Persistent Mine Fire. E. & M. J., vol. 79, p. 655. ⅔ column.

Mine Fires: Protection. M. & M., Feb., 1903, p. 305.

Mine Fires. M. & M., vol. 26, p. 229. ⅔ column.

Fires in Anthracite Coal Mines. By T. M. Williams. T. A. I. M. E., vol. 3, p. 449.

Underground Fires. By F. W. Hardwick. T. I. M. E., vol. 25, p. 724. 22 pages.

Note on a Shaft-Fire and Its Lesson. By R. G. Brown. T. A. I. M. E., vol. 26, p. 315.

Fire in De Beers Mines. Diamond Mines of South Africa, pp. 388–400.

The Hill-Farm-Parrish Mine-Fire. By F. A. Hill. T. A. I. M. E., vol. 21, p. 632.

Fires in Mines, with Particular Reference to Seams in the North Staffordshire Coal-Field. By G. E. Lawton. T. N. S. I. M. & M. E., March, 1904. 2 columns.
Min. Mag., Sept., 1904, p. 216.

A Scotch Coal-Field Ablaze. Coll. Engr., vol. 10, p. 104. 1⅔ columns.

Mine Fires. Second Geol. Survey, Pa. A. C., p. 416. 6 pages.

More Particulars of the Mine Fire at Fuente, Mexico. Coll. Engr. & Met. Miner, vol. 14, p. 11. ½ column.

The South African Mine Disaster. Coll. Engr. & Met. Miner, vol. 9, p. 29. 1½ columns.

The South Wilkes-Barre Disaster. Coll. Engr. & Met. Miner, vol. 10, p. 198. 3½ columns. I.

The De Beers Diamond Mine Disaster. E. & M. J., vol. 46, p. 63. 1 column. I.
E. & M. J., vol. 46, p. 146. 1 column.

The Mine Fires at New Straitsville, Ohio. E. & M. J., vol. 62, p. 582. ⅓ column.

The Burning of the Throop Breaker. M. & M., May, 1904, p. 499. 2¼ columns.

Disastrous Fire in Coal Mine No. 1, at Diamondville, Wyoming. By Don Maguire. M. & M., Apr., 1901, p. 388. 1 column.

An Underground Fire at Bridgewater Colliery. By A. D. Mitton. T. F. I. M. E., vol. 13, p. 466. 11 pages. I.

The Burning Mines of Summit Hill. By W. C. Morganroth. M. & M., vol. 19, p. 441. 4½ columns. I.

Gob-Fires. M. & M., vol. 19, p. 63. ¾ column.

The Aspen Mine-Fire. By A. Lakes. M. & M., vol. 18, p. 251. 6½ columns. I.

The Luke Fiddler Mine Fire. By B. Halbestadt. Coll. Engr. & Met. Miner, vol. 16, p. 6. 4 columns. I.

List of Papers and Books on the Subject of Underground Fires. T. I. M. E., vol. 25, p. 746.

A Review of the Report of the Commission on Fires in Pictou Mines. By H. S. Poole. T. F. C. M. I., vol. 2, p. 155. 11 pages.

Gob-Fires in Longwall Workings, with Special Reference to the Yard Seam. By A. Hassam. T. F. I. M. E., vol. 8, p. 332. 10 pages. I.

Notes on Gob-Fires. By W. H. Chambers. T. I. M. E., vol. 18, p. 154. 12 pages. I.

Danger of Wooden Structures over the Mouths of Shafts and Slopes. Rept. Inspr. Mines, Pa., 1881, p. 8. 2 pages.

The Destruction of the Bunker Hill and Sullivan Mill. E. & M. J., vol. 67, p. 647. 1 column. I.

Use of Sulphur Dioxide to Extinguish Mine Fires. By W. O. Snelling. M. & M., vol. 28, p. 456. 1 column.

Gases from Chemical Mine Engines. M. & M., vol. 28, p. 461. ⅔ column.

Chemical Mine Fire-Engines. M. & M., vol. 27, p. 469. 1¾ columns. I.

The Use of Carbon Dioxide in Extinguishing Mine Fires. By S. F. Walker. M. & M., vol. 28, p. 505. 4 columns.

A Successful Fight with a Mine Fire. By F. L. Barker. M. & M., vol. 28, p. 227. 1¼ columns.

A New System of Combatting Fires in Mines. By St. Wysocki. T. I. M. E., vol. 27, p. 732. 1¾ pages.

Chemical Engines for Mine Fires. E. & M. J., vol. 83, p. 1153. ¾ column. I.

Fighting Mine Fires with Carbon Dioxide. M. & M., vol. 28, p. 288. 1½ columns. I.

Extinguishing a Mine Fire, St. George's Colliery, Natal. By W. T. Heslop. M. & M., vol. 27, p. 152. 2¾ columns. I.

Pit Fires: A Consideration of Careful, Special Packing as a Preventive. By Sam. Maurice. T. N. S. I. M. & M. E., vol. 8, p. 38. 11½ pages. I.

Remarks on the Erection of Stopping with a View to Isolate Part of a Mine on Fire. T. N. S. I. M. & M. E., vol. 8, p. 100. 17½ pages. I.
Discussion, T. N. S. I. M. & M. E., vol. 8, p. 134. 4 pages.

Gob Fires and Pit Stoppings. By R. Oswald. T. N. S. I. M. & M. E., vol. 8, p. 198. 2 pages. I.

Discussion of Oswald's Paper on Gob Fires and Pit Stoppings. T. N. S. I. M. & M. E., vol. 9, p. 64. 8 pages. I.

Campbell's Method of Extinguishing a Coal Mine Fire. Rept. Inspr. Mines, Pa., 1880, p. 35. 2 pages. I.

Steam and Gas as Fire Extinguishers. Rept. Inspr. Mines, Pa., 1880, p. 38. 2½ pages.

Extinguishing a Fire in a Pyritous Mine. Min. & Sci. Press, vol. 91, p. 258. 1½ columns.

A Region of Subterranean Fires. Extinguishing by Carbon monoxide Gas. Min. & Sci. Press, vol. 54, p. 282. 2½ columns.

Controlling and Extinguishing Fires in Pyritous Mines. By L. T. Wright. E. & M. J., vol. 81, p. 171. 6 columns. I.

Carbonic Acid for Extinguishing Fires. Min. & Sci. Press, vol. 31, p. 242. ¾ column.

Stopping off Mine Fires. M. & M., vol. 20, p. 330. ⅔ column. I.

Fires in Mines and the Means of Extinguishing Them. By R. P. Rothwell. E. & M. J., vol. 8, p. 51. 1½ columns; p. 162, 1⅔ columns; and p. 241, 4½ columns. I.

Liquid Carbonic Acid as an Agent for Extinguishing Fires. By F. M. Barber. E. & M. J., vol. 20, p. 3, ½ column; and p. 305, 1 column.

Mine Fires near Wilkes-Barre: Use of Steam in Extinguishing Them. E. & M. J., vol. 18, p. 213, Note; and p. 244, ½ column.

The Butler Mine-Fire Cut-off. By H. S. Drinker. T. A. I. M. E., vol. 7, p. 159.

The Application of Liquefied Carbonic Acid Gas to Underground Fires. By G. Spencer. E. & M. J., vol. 68, p. 155. 1 column.

Fighting a Fire in an Anthracite Coal Mine. E. & M. J., vol. 69, p. 496. ½ column.

Fire-Drills at Mines. M. & M., Dec., 1904, p. 212.

Note on a Fire-Bulkhead. By O. M. Rolker. T. A. I. M. E., vol. 13, p. 505.

The Application of Liquefied Carbonic Acid Gas to Underground Fires. By G. Spencer. T. I. M. E., vol. 17, p. 181. 16 pages.

Mine Fire: Successful Methods Employed in Extinguishing an Underground Fire at Diamondville, Wyoming. By H. Barrell. M. & M., vol. 19, p. 540. 1⅓ columns. I.

Extinguishing Mine Fires: Two Successful Methods Employed in Dealing with Mine Fires in Anthracite Coal Mines. M. & M., vol. 19, p. 539. 2 columns. I.

New Method of Mine Flooding Adopted by the Pennsylvania Coal Company for Subduing a Fire in Their No. 6 Shaft. M. & M., vol. 19, p. 465. 2½ columns. I.

A Description of the Methods Adopted to Extinguish a Fire at the Pennsylvania Colliery, near Mount Carmel, Pennsylvania. By B. Halberstadt. Coll. Engr. & Met. Miner, vol. 15, p. 272. 2 columns. I.

Queensland Coal Mining; and the Method Adopted to Overcome an Underground Fire. By E. S. Wight. T. F. I. M. E., vol. 4, p. 548. 5 pages.

Wagner Portable Pneumatic Safety-Stopping for Mining Purposes. By R. Cremer. T. I. M. E., vol. 15, p. 219. 14 pages. I.

Fire Doors for Mine Shafts. By R. G. Brown. E. & M. J., vol. 57, p. 321. ¾ column. I.

Spontaneous Combustion in and About Mines

Spontaneous Ignition of Coal. By V. B. Lewes. J. W. Soc. E., vol. 1, p. 510. 2 pages.

Spontaneous Combustion of Coal. P. C. M., vol. 2, p. 330. 3 pages.

Spontaneous Combustion of Coal and Fire-Damp. T. I. M. E., vol. 28, p. 741. 1½ pages.

The Spontaneous Ignition of Coal. By V. B. Lewes. E. & M. J., vol. 82, p. 65. 3 columns.

Remarks on Spontaneous Combustion. By A. R. Sawyer. T. N. S. I. M. & M. E., vol. 8, p. 70. 3 pages.

Spontaneous Combustion. Min. & Sci. Press, vol. 74, p. 521. ¾ column.

Spontaneous Combustion in Mines. Min. & Sci. Press, vol. 54, p. 34. ¾ column.

Spontaneous Combustion of Steel Particles. Min. & Sci. Press, vol. 55, p. 198. 1¼ columns.

Cases of Spontaneous Combustion. Min. & Sci. Press, vol. 56, p. 367. ½ column.

Substances Liable to Spontaneous Combustion. Min. & Sci. Press, vol. 58, p. 166. ½ column.

Preventing Spontaneous Combustion of Coal: System of Stocking Coal. Min. & Sci. Press, vol. 49, p. 373. ¾ column.

Air Currents in Mines: Cause of Spontaneous Combustion. Min. & Sci. Press, vol. 50, p. 189. ½ column.

Philosophy of Spontaneous Combustion. Min. & Sci. Press, vol. 36, p. 99. ½ column.

The Spontaneous Ignition of Coal and Its Prevention. By V. B. Lewes. Coll. Engr., vol. 12, p. 219. 7⅔ columns.

Spontaneous Combustion. Min. & Sci. Press, vol. 23, p. 304, 1 column; and p. 311, ⅔ column.

Spontaneous Combustion of Hydrocarbon Vapors. Min. & Sci. Press, vol. 27, p. 328. 1 column.

Changes in Coal by Exposure. Min. & Sci. Press, vol. 26, p. 67. ⅔ column.

The Changes which Coal Undergoes by Exposure. By E. Engelman. E. & M. J., vol. 14, p. 410. 2 columns.

Spontaneous Combustion of Coal. E. & M. J., vol. 22, p. 201. 1¾ columns.

Spontaneous Combustion of Coal on Board Ship. Am. Jour. Min., vol. 2, p. 44. ½ column.

Effect of Exposure of Coal. Am. Jour. Min., vol. 2, p. 185. 2 columns.

Spontaneous Ignition of Coal: The Conditions under which it Occurs and How it may be Guarded against. By Naval Board United States. M. & M., vol. 20, p. 200. 4 columns.

The Spontaneous Ignition of Coal Cargoes. Coll. Guard. (London), vol. 59, p. 521, 2½ columns; p. 606, 3⅔ columns.

The Causes of Spontaneous Ignition of Coal. E. & M. J., vol. 9, p. 328. 1⅓ columns.

Spontaneous Combustion in Coal-Mines. By A. Lupton. T. F. I. M. E., vol. 4, p. 481, 13 pages; and vol. 7, p. 206, 4 pages.

Injury to Coal by Spontaneous Combustion. By C. J. Woodbury. Coll. Engr., vol. 10, p. 116. 1 column.

On Iron Pyrites in Aiding Spontaneous Combustion (Gob-Fires). Coll. Engr., vol. 10, p. 195. ½ column.

Spontaneous Combustion in Coal Mines. By W. H. Shore. Coll. Engr., vol. 11, p. 162. 2¾ columns.

On the Spontaneous Ignition and Weather Waste of Coal. E. & M. J., vol. 20, p. 329. 2¼ columns.

Spontaneous Combustion of the Refuse of a Leblanc Soda Works. E. & M. J., vol. 51, p. 558. ½ column.

The Spontaneous Ignition of Coal. By A. O. Doane. Eng. News., Aug. 18, 1904. 2 columns.
Min. Mag., Sept., 1904, p. 217.

Spontaneous Fires in Thick Coal-Seams, and Methods of Dealing with Them: Their Prevention. T. I. M. E., vol. 16, p. 485.

Observations on the Relation of Underground Temperatures and Spontaneous Fires in the Coal to Oxidation and to the Causes which Favor It. By J. S. Haldane and F. G. Meachem. T. I. M. E., vol. 16, p. 457. 36 pages. I.

The Causes of Spontaneous Combustion of Coal and Prevention of Explosions on Shipboard. By M. V. Jones. T. F. I. M. E., vol. 3, p. 789. 6 pages. I.

In Mines Where Spontaneous Combustion is Apt to Occur, the Following Principles Should be Observed. T. F. I. M. E., vol. 5, p. 18.

Spontaneous Combustion in Coal Mines. By J. Settle. T. F. I. M. E., vol. 5, p. 10, 20 pages; p. 392, 16 pages; and vol. 6, p. 409, 4 pages.

Shop Fires from Spontaneous Combustion. I. H. L. Coon in Cassier's Mag. for May, 1903; M. & M., Aug., 1903, p. 11.

Inundation of Mines

An Inburst of Waste-Water at Wallyford Colliery. By R. T. Moore. T. I. M. E., vol. 28, p. 11. 3 pages.

Comstock Inundation. Min. & Sci. Press, vol. 44, p. 142. ¾ column.

The Flooded Mines. Min. & Sci. Press, vol. 44, p. 158. ¾ column.

Remedy for Flooded Mines. Min. & Sci. Press, vol. 44, p. 296. ¾ column.

Some Lessons from the Recent Floods in the Anthracite Mines of Pennsylvania. By W. S. Ayres. E. & M. J., vol. 73, p. 378. 2½ columns.

Inundations at the Garforth Colliery, 1872 and 1883. T. F. I. M. E., vol. 9, p. 150.

Mud Rushes in Kimberley Diamond Mines. E. & M. J., vol. 76, p. 237.

The Johnstown Disaster and the Cambria Iron Company. E. & M. J., vol. 47, p. 520. 3 columns. I.

A Colliery Flooded by Tapping of Water in Old Workings. Coll. Engr., vol. 11, p. 160. ½ column.

A Colliery Flooded. Coll. Engr., vol. 9, p. 137. 1 column +.

Inundation of Colliery, England. Min. & Sci. Press, vol. 34, p. 295. ½ column.

The Garforth Collieries, with Special Reference to the Failures of Tubbing and Inundations which Occurred in 1872 and 1883. By R. Routledge. T. F. I. M. E., vol. 9, p. 150. 8 pages. I.

Mine Explosions

Recent Mine Disasters. E. & M. J., vol. 83, p. 1054. 1 column +.

A Pathetic Incident Connected with a Great Explosion. Coll. Engr., vol. 9, p. 100. 1 column. I.

An Unusual Mining Accident: Gas Explosion in Tunnel. Min. & Sci. Press, vol. 26, p. 273. 1⅔ columns.

Notes on the Monongah Explosion. By J. Ashworth. M. & M., vol. 28, p. 512. 3¼ columns.

Explosions in Prussian Collieries during 1902 and 1903. T. I. M. E., vol. 27, p. 727. 2½ pages.

The Elba and Clydach Vale Colliery Explosions. By J. Ashworth. T. I. M. E., vol. 30, p. 509. 16 pages. I.

Can Explosions in Coal Mines, with Their Associated Toxic Fatalities, be Prevented? By B. H. Thwaite. T. I. M. E., vol. 30, p. 388. 15½ pages.

Explosions of Gas on the Continent. T. I. M. E., vol. 31, pp. 715–722.

The Hanna, Wyoming, Mine Disaster. By R. L. Herrick. M. & M., vol. 28, p. 474. 6½ columns. I.

Yolande Mine Disaster. M. & M., vol. 28, p. 331. 2 columns.

Coal Mine Explosions. By L. Brett. M. & M., vol. 28, p. 346. 5 columns.

Darr Mine Disaster. M. & M., vol. 28, p. 377. 3 columns. I.

Monongah Mine Disaster. By H. H. Stock. M. & M., vol. 28, p. 277, 7 columns; and p. 327, 2½ columns.

Air-Percussion and Time in Colliery Explosions. By J. Ashworth. T. I. M. E., vol. 34, p. 270. 11½ pages. I.

Brattice Explosion Door. M. & M., vol. 27, p. 455. ¾ column. I.

The Fernie Explosion. T. I. M. E., vol. 26, p. 426. 18 pages.

The Stuart Colliery Disaster. By F. W. Parsons. E. & M. J., vol. 83, p. 342. 2 columns. I.

Disaster at Monongah Coal Mines Nos. 6 and 8. By F. W. Parsons. E. & M. J., vol. 84, p. 1121. 5½ columns. I.

Explosions in Mines. T. I. M. E., vol. 26, p. 643. 8 pages.

The Explosion Hazard of Electrical Appliances in Collieries. E. & M. J., vol. 81, p. 1242. 1½ columns.

Official Report on the Courrieres Explosion. E. & M. J., vol. 82, p. 545. 3 columns.

Colliery Explosions and Their Causes. By J. T. Beard. E. & M. J., vol. 83, p. 1051. 12¾ columns. I.

Volcanic Activity and Mine Explosions. E. & M. J., vol. 83, p. 1054. 2 columns.

The Wingate Explosion. E. & M. J., vol. 82, p. 887. ⅓ column.

Conclusions Arrived at by Abel on Cause of Mine Explosions. T. A. I. M. E., vol. 13, p. 261.

Explosions at Collieries. T. A. I. M. E., vol. 13, pp. 256, 257, 260.

Mine Explosions. By J. T. Beard. E. & M. J., vol. 81, p. 952. 9 columns.

Comparison of the Explosive and Dangerous Qualities of Coal Gas and the Strong Water Gas. By H. Wurtz. E. & M. J., vol. 31, p. 161. 2 columns.

Explosions in Mines and the Mines Regulation Act, 1872. By J. S. Bakewell. T. N. S. I. M. & M. E., vol. 5, p. 31. 9 pages.

Lecture on Colliery Explosions. By T. Carnelley: T. N. S. I. M. & M. E., vol. 3, p. 35. 14 pages.

Explosions. By A. R. Sawyer. T. N. S. I. M. & M. E., vol. 10, p. 17. 5 pages. I.

Colliery Explosions. T. N. S. I. M. & M. E., vol. 10, p. 42. 9 pages.

Mine Explosions in Illinois. By R. Newsam. M. & M., vol. 27, p. 417. 4 columns. I.

The Courrieres Catastrophe. E. & M. J., vol. 81, p. 898. 2 columns. I.

The Disaster at Lens (Explosion). By M. Vingoe. E. & M. J., vol. 81, p. 663. 2½ columns. I.

The Manners Colliery Explosion. By J. Ashworth. M. & M., vol. 26. p. 366. 1½ columns. I.

Percussion in Mine Explosions. M. & M., vol. 26, p. 359. 1½ columns.

The York Farm Colliery Disaster (Explosion). Coll. Engr., vol. 13, p. 14. 3½ columns. I.

Fire Damp Explosions. Coll. Engr., vol. 13, p. 57. 4 columns. I.

The Explosion at the Whitsitt Mine. Coll. Engr., vol. 13, p. 206. 1½ columns. I.

The Courrieres' Disaster. M. & M., vol. 26, p. 458. 4 columns. I.

The Pittston Calamity (Explosion). E. & M. J., vol. 11, p. 377. 2⅓ columns.

Dangers of Coal Mining: Gases and Explosions. Min. & Sci. Press, vol. 23, p. 310. ¾ column.

Mine Explosions (Explosives). E. & M. J., vol. 5, p. 81. 1 column.

Recoil of Gas Explosions in Mine Entries. M. & M., vol. 20, p. 332. 2 columns. I.

Scofield Mine Disaster, Utah. By D. Maguire. M. & M., vol. 20, p. 485. 3 columns. I.

Causes of Explosions in Mines. E. & M. J., vol. 25, p. 12. 1 column.

Explosions in Coal Mines. By J. W. Thomas. E. & M. J., vol. 21, p. 36. 1¾ columns.

The After-Damp Explosions in Coal Mines. By J. W. Thomas. E. & M. J., vol. 19, p. 166. 2½ columns.

The Oaks Colliery Explosion. Am. Jour. Min., vol. 2, p. 218. 1¾ columns.

The Recent Colliery Explosions. Am. Jour. Min., vol. 2, p. 225. 2 columns.

The Gaylord Disaster. Coll. Engr. & Met. Miner, vol. 14, p. 207. ⅔ column.

The Accident at South Wilkes-Barre, Pa. Coll. Engr. & Met. Miner, vol. 14, p. 288. 1½ columns.

The Bast Colliery Disaster. Coll. Engr. & Met. Miner, vol. 8, p. 66. 1⅔ columns.

Fatal Mining Explosions in England During the Last Half-Century. Coll. Engr. & Met. Miner, vol. 8, p. 77. 1⅙ columns.

The Kansas Mine Disaster (Explosion). Coll. Engr., vol. 9, p. 76. 5 columns.

The Explosion at the Kettle Creek Coal-Mine. Coll. Engr., vol. 9, p. 87. 6¾ columns.

Two Serious European Explosions. Coll. Engr., vol. 9, p. 103. 1 column.

Popular Ideas About Explosions. Coll. Engr., vol. 9, p. 111. 2¼ columns.

Conditions in Mines Leading to Explosions. Coll. Engr., vol. 9, p. 112. 4 columns.

Remedial Measures for Explosions. Coll. Engr., vol. 9, p. 113. 2½ columns.

Explosions in Coal-Mines. By W. Seddon. Coll. Engr., vol. 9, p. 151. 1 column +.

Explosions in Mines. Coll. Engr., vol. 9, p. 151. 1⅓ columns.

A Terrible Explosion of Gas, Nanticoke, Pa. Coll. Engr., vol. 9, p. 158. ¾ column.

Explosions in Coal-Mines. By R. P. W. Oswald. Coll. Engr., vol. 9, p. 232. 6½ columns.

The Nottingham Explosion. Coll. Engr., vol. 10, p. 160. 1 column.

The Kettle Creek Disaster. Coll. Engr., vol. 10, p. 186. 3⅔ columns. I.

The Ashley Disaster. Coll. Engr., vol. 10, p. 255. 1½ columns.

The Dunbar Disaster (Explosion). Coll. Engr., vol. 10, p. 219. ⅓ column.

Coll. Engr., vol. 11, p. 17. 4¾ columns.

The Mammoth Colliery Disaster. Coll. Engr., vol. 11, p. 160, p. 177. 2½ columns.

Colliery Explosions. Coll. Engr., vol. 11, p. 176, 3 columns; p. 259; p. 268.

The Jeanesville Disaster. Coll. Engr., vol. 11, p. 196. 1½ columns.

On Precautionary Measures Against Explosions of Fire-Damp. By M. Hoernecke. E. & M. J., vol. 37, p. 256, 2⅔ columns; p. 272, 3½ columns; p. 310, 2½ columns; p. 330, 2¼ columns; p. 368, 3 columns; p. 404, 2½ columns; 462, 480.

The Nanticoke Disaster. E. & M. J., vol. 41, p. 18. 1½ columns. I.

Mine Gases and Explosions. Second Geol. Survey Pa. A. C., p. 379. 18 pages.

The Fire in the Sunday Creek Coal Company's Mine No. 10. By E. H. Coxe and C. H. Thompson. E. & M. J., vol. 63, p. 511. 3¾ columns.

The Zeigler Mine Explosion. M. & M., vol. 25, p. 552. 2 columns. I.

Rush Run Mine Explosions. M. & M., vol. 26, p. 80. 4½ columns. I.

The Rush Run Mine Explosion. E. & M. J., vol. 79, p. 1232. 4 columns.

Mine Explosions in Wales. E. & M. J., vol. 80, p. 674. 1 column.

The Clydach Vale Explosion, South Wales. By J. Ashworth. M. & M., vol. 26, p. 154. 7 columns. I.

The Fernie Explosion. By W. Blakemore. T.I.M.E., vol. 24, p. 450, 27 pages. I.

The Rôle of Ignorance in Mine Explosions. T. I. M. E., vol. 46, p. 79. 1¼ columns.

Mine Explosions: History and Causes of Those in the Bituminous Regions of Pennsylvania since 1883. By A. King. M. & M., Mar., 1902, p. 353. 5¼ columns.

Peabody Coal Mine Explosion. By R. Newsam. M. & M., Apr., 1905, p. 440. 3¼ columns. I.

The Mammoth Mine Disaster. E. & M. J., vol. 51, p. 167. 1 column. I.

The Jeanesville, Pa., Mine Disaster. E. & M. J., vol. 51, p. 447. 1¼ columns.

The Red Ash Mine Explosion in West Virginia. E. & M. J., vol. 69, p. 680, 2 columns; and p. 675.

The Port Royal Mine Explosion. E. & M. J., vol. 71, p. 780. 1¾ columns. I.

The Birmingham Disaster. E. & M. J., Mar. 2, 1905, p. 431. 1¾ columns.

Gas Explosions in Metal Mines. E. & M. J., vol. 71, p. 687. ½ column.

Explosions from Unknown Causes. By G. R. Green. T. A. I. M. E., vol. 19, p. 18; vol. 20, p. 85.

An Account of an Explosion of Fire-Damp at the Midlothian Colliery, Chesterfield County, Virginia. By O. J. Heinrich. T. A. I. M. E., vol. 5, p. 148.

The Pocahontas Mine-Explosion. By J. H. Bramwell, S. M. Buck and E. H. Williams. T. A. I. M. E., vol. 13, p. 237.

Examples of Explosions in Coal Mines. T. A. I. M. E., vol. 26, pp. 121, 128.

Explosions from Unknown Causes. By J. C. Bayles. T. A. I. M. E., vol. 19, p. 18.

Disaster at Pocahontas Mines. By C. S. Thorne. M. & M., Jan., 1902, p. 262. 2 columns.

The Explosion at the Red-Ash Colliery, Fayette County, West Virginia. By W. N. Page. T. A. I. M. E., vol. 30, p. 854.

Berryburg Mine Disaster, West Virginia: A Description of the Mine, the Conditions under which it was Operated, and the Probable Cause of the Explosion. By J. W. Paul. M. & M., Dec., 1901, p. 196. 3¾ columns.

Lost Creek, Iowa, Mine Explosion. M. & M., Mar., 1902, p. 364. 1½ columns.

Explosions in Iowa Coal Mines: An Extract of the Report of Commission Appointed by the Governor to Investigate the Same. M. & M., Apr., 1902, p. 397. 1¾ columns.

The Fraterville Mine Disaster: Official Report of R. A. Shifflett, Commissioner of Labor to the Governor of Tennessee, in Regard to the Accident. M. & M., Mar., 1903, p. 364. 7 columns.

Failures of Safety Lamps with Resulting Disasters. By Jas. Ashworth. M. & M., June, 1901, p. 490. 7⅔ columns.

The Harwick Mine Explosion: Report to the Commissioner of Mines by Board of Mine Inspectors who Investigated Immediately after the Explosion. M. & M., May, 1904, p. 487. 9 columns.

The Sellarton Disaster. E. & M. J., vol. 30, p. 346, ⅓ column; p. 331, ⅔ column; p. 396, 1½ columns.

Port Royal Explosion. M. & M., Aug., 1901, p. 4. ½ column.

Colliery Explosions. E. & M. J., vol. 61, p. 208. 1¼ columns.

The Phenomena of Colliery Explosions. By D. M. D. Stuart. T.F.I.M.E., vol. 12, p. 371. 37 pages.

Some Aspects of Recent Colliery Explosions. By H. Hall. T. F. I. M. E., vol. 11, p. 526. 9 pages.

The Causes of Death in Colliery Explosions. By J. S. Haldane. T.F.I.M.E., vol. 11, p. 502, 12 pages; vol. 11, p. 519, 7 pages; vol. 12, p. 61, 14 pages; vol. 12, p. 102, 3 pages; vol. 12, p. 533, 10 pages; vol. 13, p. 283, 6 pages.

Suggested Rules for the Recovery of Coal-Mines After Explosions. By W. E. Garforth. T. F. I. M. E., vol. 14, p. 495. 41 pages.

The After-Effects of a Mine Explosion. M. & M., vol. 20, p. 37. 1 column.

The Accident at Kasha-William Colliery. By L. C. Morganroth. M. & M., vol. 19, p. 34. ¾ column. I.

The Sunshine Coal Mine Explosion. By D. Griffiths. M. & M., vol. 18, p. 291. 3 columns. I.

The Twin Shaft Disaster. Coll. Engr. & Met. Miner, vol. 17, p. 17, 6½ columns, I.; and p. 119, 2½ columns.

The Vulcan Explosion: A Description of the Mine and the Condition Existing Therein. By D. Griffiths. Coll. Engr. & Met. Miner, vol. 16, p. 245. 7 columns. I.

The Dayton, Tenn., Disaster (Explosion). By W. M. Gibson. Coll. Engr. & Met. Miner, vol. 16, p. 222. 4 columns. I.

The Cause of Mine Explosions. By J. Ashworth. Coll. Engr. & Met. Miner, vol. 16, p. 127. 5½ columns. I.

Notes on the Maclaren Colliery (No. 1), AbertyssWG, Explosion. By James Ashworth. Engineering, vol. 75, p. 765, London. 4 columns. I.

The Cause and Prevention of Explosions. Coll. Guard., vol. 59, p. 326, London. ¾ column.

The Morfa Colliery Explosion. Coll. Guard., vol. 59, p. 530, London. 1 column.

The Marsfield Colliery Explosion. Coll. Guard., vol. 59, p. 674, London. ⅔ column.

The Force of Fire-Damp Explosions. By W. H. Mungall. Coll. Guard., London, vol. 59, p. 441, 2 columns.

The Explosion at Mauricewood Pit. Coll. Guard., vol. 59, p. 27, 5¾ columns. p. 443, London, 2 columns.

Notes on Colliery Explosions. By W. Fairley. T. F. I. M. E., vol. 2, p. 137. 8 pages.

Safety Lamps and Colliery Explosions. By J. Ashworth. J. C. M. I., vol. 5, p. 379. 14 pages. I.

An Inquiry into the Cause of the Two Seaham Explosions, 1871 and 1880, and the Pochin Explosion, 1884. By T. H. M. Stratton. T. F. I. M. E., vol. 3, p. 385. 25 pages. I.

The Rate of Explosions in Gases. By H. B. Dixon. T. F. I. M. E., vol. 3, p. 312. 10 pages.

Explosions in Nova Scotian Coal-Mines. By E. Gilpin. T. F. I. M. E., vol. 8, p. 143. 18 pages.

Report of Commission on Explosions from Coal Dust. T. F. I. M. E., vol. 8, p. 36, 10 pages; vol. 8, p. 593, 16 pages; vol. 9, p. 206, 13 pages; vol. 9, p. 274, 6 pages; vol. 10, p. 38, 6 pages; vol. 10, p. 503, 10 pages.

The Courrieres Colliery Disaster. By M. Vingoe. E. & M. J., vol. 81, p. 1193. 3 columns. I.

Considerations of the Supposed Atmospheric Influence in Connection with Colliery Explosions. By J. Warburton. Coll. Engr., vol. 8, p. 257. 8 columns. D.

The Velocity of the Explosions in Gases. E. & M. J., vol. 45, p. 235. 1⅓ columns.

Seasons in the United States and Europe when Mine Explosions Usually Occur. E. & M. J., vol. 83, p. 1056. Note.

Barometric Pressure as a Cause of Mine Explosions. E. & M. J., vol. 83, p. 1052. 2 columns.

Barometric Pressure and Simultaneous Explosions of Gas in European Collieries. E. & M. J., vol. 83, p. 1055. 2 columns.

Mine Explosions and Atmospheric Pressure. E. & M. J., vol. 83, p. 726. 1 column.
E. & M. J., vol. 83, p. 774. 1 column.

The Relation of Barometric Pressure to Mine Explosions. By F. W. Parsons. E. & M. J., vol. 82, p. 923. 7 columns. D.

Atmospheric Conditions and Colliery Explosions. E. & M. J., vol. 82, p. 984. 1¾ columns.

Coal Mine Gases and Barometric Pressure. By F. W. Parsons. E. & M. J., vol. 83, p. 430. 4½ columns. D.

The Effect of Barometric Variation on the Outflow of Gas in Mines. By W. H. Booth. E. & M. J., vol. 84, p. 407. 2 columns.

Increased Pressure Following Mine Explosions Cause of Loss of Life. E. & M. J., vol. 82, p. 786. Note.

Fire-Damp Explosions and Sudden Atmospheric Depressions. E. & M. J., vol. 59, p. 487. ½ column.

Poisoning and Injuries

An Experiment in Cyanide Poisoning. By A. M. Johnston. P. C. & M. Soc. S. A., vol. 2, p. 676. 7½ pages.

Gaseous Poisoning. P. C. M. & M. Soc. S. A., vol. 5, p. 192. 4 columns.

Notes on the Persistence of Cyanide in the Stomach After Death. By W. H. Jollyman. P. C. M. & M. Soc. S. A., vol. 5, p. 170. 3⅔ columns.

Chloroform as an Antidote Against Nitrous Vapors. By A. Prister. P. C. M. & M. Soc. S. A., vol. 5, p. 63. 1 page.

Nine Men Killed by Carbon Monoxide. M. & M., vol. 28, p. 21. 1 column.

Antidote for Asphyxiation by Mine Gas. E. & M. J., vol. 84, p. 1076. Note.

Treatment for Electrical Shocks. By R. Lee. E. & M. J., vol. 83, p. 999. 1 column.

Cyanide Poisoning. Min. & Sci. Press, vol. 94, p. 303. ½ column.

A Remedy for Fire-Damp Especially in Rescue Work. E. & M. J., vol. 82, p. 259. Note.

Cyanide Sores. Min. & Sci. Press, vol. 92, p. 89. ¼ column.

Cyanide Poisoning. Min. & Sci. Press, vol. 93, p. 391. 1 column.

Treatment of Injured Persons at the Mines. Rept. Inspr. Mines, Pa., 1880, p. 182. 1½ pages.

Cyanide Poisoning. Min. & Sci. Press, vol. 88, p. 312. ½ column.

Emergency Treatment for Cyanide Poisoning. Min. & Sci. Press, vol. 89, p. 88. 1½ columns.

Cyanide Poisoning: Its Cure and Prevention. Min. & Sci. Press, vol. 87, p. 236. ¾ column.

First Aid to the Injured in Mining Accidents. Min. & Sci. Press, vol. 85, p. 146. 5 columns.

First Aid to the Injured Contest. M. & M., vol. 27, p. 264. 5¾ columns. I.

Effects of Poisons. Min. & Sci. Press, vol. 81, p. 463, note, and p. 497, ½ column.

Lead Poisoning: Antidote. Min. & Sci. Press, vol. 45, p. 17, 1 column, and p. 81, 1 column.

The Treatment of Bleeding Wounds. Min. & Sci. Press, vol. 36, p. 343. ⅔ column.

Poison Oak and Its Antidotes. Min. & Sci. Press, vol. 35, p. 359. 1 column.

Use of Carbolic Acid in Curing Wounds. Min. & Sci. Press, vol. 28, p. 6. 1 column.

Carbonic Acid not a Poison. Min. & Sci. Press, vol. 28, p. 199. ½ column.

Miners Blinded (by Gas) in the Utah Mine. Min. & Sci. Press, vol. 28, p. 139, ½ column; p. 140, ⅓ column.

Cyanide Poisoning. By H. L. Brown. E. & M. J., vol. 82, p. 835. 2 columns.

Coal-Mine Hospital Car. E. & M. J., vol. 83, p. 530. ¾ column.

Treatment of Lead and Mercury Poisoning. Min. & Sci. Press, vol. 35, p. 23. ⅔ column.

The State Hospital for Injured Miners at Ashland, Pa. Coll. Engr., vol. 8, p. 61. 10½ columns. I.

Injury to Miner's Eyesight by Safety Lamps. E. & M. J., vol. 52, p. 77. 1 column.

Improved Litter for Use in Mines. By G. W. King. E. & M. J., vol. 52, p. 571. ¾ column. I.

Aid in Mining Accidents. E. & M. J., vol. 80, p. 343. 1 column.

Cyanide Poisoning. M. & M., Nov., 1902, p. 168. ⅔ column.
E. & M. J., vol. 76, p. 200. 2⅓ columns.

Cyanide Poisoning. M. & M., Sept., 1903, p. 80. 1 column.

Cyanide Poisoning. By J. Lovey. E. & M. J., vol. 67, p. 618. 1 column.

Arsenine Poisoning. By John Longmaid. E. & M. J., vol. 66, p. 363. ⅔ column.

Lead Poisoning in Potteries. E. & M. J., vol. 67, p. 466. 1½ columns.

Emergency Treatment for Cyanide Poisoning. By H. C. Jenkins.
Min. & Sci. Press, Aug. 6, 1904.
Rept. of S. Africa Commission.
Min. Reporter, Aug. 4, 1904.
Min. Mag., Sept., 1904, p. 226. 1½ columns.

New Minnequa Hospital of the Colorado Fuel and Iron Company. M. & M., Feb., 1903, p. 315.

Transportation of Injured Men in Mines. E. & M. J., vol. 57, p. 225. Note.

An Improved Ambulance-Carriage and Stretcher for Use in Mines. By H. R. Hewitt. T. I. M. E., vol. 16, p. 377. 5 pages. I.

Ambulance-Instructions at Mines. By W. Leck. T. I. M. E., vol. 25, p. 354. 16 pages.

Result of an Experimental Research into Choke-Damp Poisoning, with Special Reference to Oxygen as a Restorative. By W. E. Thompson. T. F. I. M. E., vol. 6, p. 526, 8 pages, and vol. 7, p. 337, 7 pages.

Saving of Life from After-Damp, Smoke, or Fumes in Mines. By S. Tate. T. F. I. M. E., vol. 8, p. 189. 6 pages. I.

The Preservation of Life in the Witwatersrand Mines. By T. L. Carter. E. & M. J., vol. 74, p. 279. 2 columns.

A Mine Ambulance. E. & M. J., vol. 75, p. 486. ½ column. I.

Asphyxiation by Carbonic Acid and Intoxication by Carbonic Oxide. By Mr. Meurgey. E. & M. J., vol. 31, p. 181. 2 columns.

The Asphyxiation of Blast-Furnace Workmen. By B. H. Thwaite. E. & M. J., vol. 80, p. 632. 4½ columns. I.

Powder Explosions

Peculiar Explosion of a Powder Thawer. By M. W. Alderson. Min. & Sci. Press, vol. 89, p. 237, 1 column, and p. 272, ⅓ column. I.

The Omaha Mine Accident (Powder Explosion). Min. & Sci. Press, vol. 64, p. 186. ½ column.

The Daly-West Mine Explosion. E. & M. J., vol. 74, p. 106. 1 column.

Explosion of a Dynamite-Store in the Fénelon Shaft, Northern France. T. I. M. E., vol. 26, p. 627. 1 page.

Danger in the Cut-Off Hole. Min. & Sci. Press, vol. 86, p. 405. 1 column.

Accidents in Mines. Min. & Sci. Press, vol. 27, p. 9. 1 column.

The Lincoln Disaster (Suffocation). Min. & Sci. Press, vol. 27, p. 169. 1 column.

Carelessness in the Mines (Caps, Giant Powder and Candles). Min. & Sci. Press, vol. 28, p. 38. ¾ column.

Misfire Shots. M. & M., vol. 21, p. 357. ½ column.

A Belgium Nitro-Glycerine Explosion. E. & M. J., vol. 6, p. 65. ¼ column.

Premature Explosions of Gunpowder. By J. Grundy. Coll. Engr., vol. 9, p. 221. 2½ columns. I.

Cause of Accidents in the Use of Explosives. T. F. I. M. E., vol. 14, p. 480. List.

Explosion of Dynamite in the New York Subway. E. & M. J., vol. 73, p. 164. 2 columns. I

An Investigation as to Whether the Fumes Produced from the Use of Roburite and Tonite in Coal Mines are Injurious to Health. By Committee. T. F. I. M. E., vol. 2, p. 368, 46 pages, I.; and p. 467, 2 pages.

The Chlorate Explosion at St. Helens, England. By J. B. C. Kershaw. E. & M. J., vol. 68, p. 7. 1⅓ columns.

Report of Commission on Shot-Firers in Indiana. By Prof. H. S. Munroe. M. & M., July, 1903, p. 550.

Accidents from the Use of Explosives. T. A. I. M. E., vol. 8, p. 92.

Illinois Report Concerning Shot-Firers. M. & M., Sept., 1904, p. 58. 2 columns.

Hoisting Accidents

Accidents in Hoisting, Overwinding, etc. T. A. I. M. E., vol. 8, p. 93.

Prevention of Hoisting Accidents. By A. Selwyn-Brown. E. & M. J., vol. 80, p. 344. 4¼ columns. I.

False Security in Coal Mines. M. & M., vol. 25, p. 551. 1 column.

Hoisting Accidents in Great Britain. E. & M. J., vol. 74, p. 651 and p. 812.

Accidents by Overwinding. E. & M. J., vol. 77, p. 231. 1 column.

The Transvaal Commission on Safety in Hoisting. E. & M. J., vol. 80, p. 636. 4 columns.

Accident in Lowering Mine Laborers Due to a Drill Dropping and Lodging in Shaft Timbers. Coll. Engr., vol. 8, p. 116. ½ column.

Accident at the St. Lawrence Mine, Butte, Mont. (Reel Got Away). Min. & Sci. Press, vol. 79, p. 146. ½ column.

Accidents in Winding, with Special Reference to Ropes, Safety-Cages, and Controlling Devices for Colliery Winding-Engines. By G. H. Winstanley. T. I. M. E., vol. 35, p. 134. 26 pages.

Accidents in Shafts. Min. & Sci. Press, vol. 93, p. 258. ⅔ column.

Overwinding in Hoisting Operations. By Robt. Peele. Sch. Mines Quart., vol. 27, p. 118. 10 pages. I.

Accident Due to Breakage of Cable. E. & M. J., vol. 82, p. 927. Note.

The Prevention of Accidents in Winding. By J. H. Merivale. T. I. M. E., vol. 27, p. 484. 11 pages. I.

The Automatic Prevention of Overwinding of Hoisting, Winding and Haulage Engines or Motors. By J. S. Barnes. T. I. M. E., vol. 29, p. 214. 2 pages. I.

Boiler Explosions

On the Explosion of Boilers and other Vessels. By E. B. Marten. T. N. S. I. M. & M. E., vol. 7, p. 91. 14 pages. I.

Boiler Explosions. T. N. S. I. M. & M. E., vol. 4, p. 134. 15½ pages. I.

A Boiler Explosion. By W. R. Crane. M. & M., Nov., 1901, p. 175.

Note on Boiler Explosions. By W. P. Mason. T. A. I. M. E., vol. 21, p. 374.

Earth and Snow Slides—Avalanches

Snow-Slides. E. & M. J., vol. 76, p. 118.

The Havoc of the Avalanche. Woman's Home Companion, April, 1906, p. 6. 4 columns. I.

Snow Slides. Min. & Sci. Press, vol. 48, p. 189. 1 column.

The Cœur d'Alene Snowslides. Min. & Sci. Press, vol. 68, p. 212. ¾ column.

Snow Perils of the Upper Sierras (Slides.) Min. & Sci. Press, vol. 44, p. 226. 2¾ columns.

Snow Slides in Utah. Min. & Sci. Press, vol. 42, p. 50. ⅓ column.

Snow Slides. By A. Lakes. M. & M., vol. 26, p. 391. 3½ columns. I.

Snowslides and Avalanches in the Rocky Mountains. By A. Lakes. M. & M., vol. 19, p. 516. 2½ columns. I.

Destruction of Camp Bird Mill. Min. & Sci. Press, vol. 92, p. 200. 1¾ columns. I.

The Effect of a Snowslide. Min. & Sci. Press, vol. 92, p. 258. 2 columns. I.

Slips in Clayey Soils. By F. A. Mahan. P. E. Soc. W. Pa., vol. 1, p. 70. 36 pages. I.

The Clay Slide at the Boone Viaduct, Boone, Iowa. By A. W. Merrick. J. W. Soc. E., vol. 11, p. 332. 18 pages. I.

Falls of Rock from Mountains. By W. B. McKinlay. E. & M. J., vol. 75, p. 890. ½ column.

Avalanches. By B. E. Fernow. T. A. I. M. E., vol. 18, p. 583.

Mud Rushes in De Beers Mines. Diamond Mines of South Africa, pp. 400–404.

Land-Slides on the Canadian Pacific Railroad. Engineering, vol. 65, p. 29 (London). 1¾ columns.

Saltford Slip. By W. K. Laurence. T. I. M. E., vol. 20, p. 476. 1 page.

Slips in a Sand-Bank. By J. Barrowman. T. I. M. E., vol. 23, p. 154. 1 page. I.

A Large Land-Slide. E. & M. J., vol. 53, p. 134. ½ column.

Landslides and Avalanches. Min. & Sci. Press, vol. 60, p. 378. 1 column.

The Camp Bird Snow Slide. M. & M., vol. 26, p. 490. 1½ columns. I.

The Rock-Slide at Frank, Alberta Territory, Canada. By W. M. Brewer. T. I. M. E., vol. 26, p. 34, 4½ pages, I.; and p. 157, 6½ pages, I.

Landslide at Crows Nest Pass. E. & M. J., vol. 84, p. 1110. 1 column.

Earth Slides: Movement of Gravel Bed Observed While Operating a Gravel Mine. Min. & Sci. Press, vol. 60, p. 347, ⅞ column; and p. 378.

Avalanches. Min. & Sci. Press, vol. 60, p. 378.

Side of Mountain Sliding Due to Mining Operations: at the Comstock Lode. Min. & Sci. Press, vol. 53, p. 214. ½ column.

Avalanches Among Colorado Gold Mines. Min. & Sci. Press, vol. 78, p. 257. 3 columns. I.

Movements of Large Masses of Earth, Miles in Extent. Min. & Sci. Press, vol. 60, p. 347.

Disaster at Frank, N. W. T. M. & M., July, 1903, p. 559.

The Turtle Mountain Landslide. E. & M. J., vol. 75, p. 814, ⅓ column; and vol. 76, p. 10, 5 columns.

Lightning Entering Mines

Explosion of Fire-Damp by Lightning — The Wire Rope being the Conductor. E. & M. J., vol. 56, p. 617. ½ column.

Lightning Shocks in a Mine Tunnel. E. & M. J., vol. 84, p. 171. ¼ column.

A FLASH OF LIGHTNING AT THE LAMBTON COLLIERY D AND LADY ANN PITS, ON OCT. 2ND, 1900. By J. Sharp. T. I. M. E., vol. 20, p. 259. 4 pages. I.

DAMAGE DONE BY LIGHTNING TO THE SURFACE WORKS AT GARFORTH COLLIERY, ENGLAND. By R. Routledge. T. F. I. M. E., vol. 8, p. 64. 4 pages.

ON LIGHTNING IN NEW ZEALAND MINES. By G. J. Bemis. T. F. I. M. E., vol. 3, p. 415. 4 pages.

LIGHTNING AND COLLIERIES. E. & M. J., vol. 37, p. 441. 1 column.

LIGHTNING IN A MINE. E. & M. J., vol. 6, p. 402. Note.

ANIMALS IN MINES

THE FEEDING OF HORSES, WITH SPECIAL REFERENCE TO COLLIERY STUDS. By F. O. Soloman. T. I. M. E., vol. 19, p. 279, 16 pages; vol. 22, p. 153, 6 pages; and vol. 23, p. 16, 8 pages.

AN IMPROVED HEAD-GEAR FOR PIT-HORSES. By G. J. Bemis. T. F. I. M. E., vol. 4, p. 427. 2 pages. I.

THE TREATMENT OF PIT HORSES. Coll. Guard., vol. 59, p. 310 (London). ½ column.

LIFE OF ANIMALS (HORSES) UNDERGROUND. T. F. I. M. E., vol. 13, p. 120; and vol. 15, p. 137.

POISONING OF HORSES BY LATHYRUS SATIVUS (PEAS). By F. G. Meachem. T. F. I. M. E., vol. 10, p. 183, 4 pages; and p. 322, 8 pages.

IMPROVED HEAD GEAR FOR MINE HORSES. By G. J. Bemis. E. & M. J., vol. 57, p. 58. ½ column. I.

PIT STOCK (Animals). By J. W. Byers. M. & M., Feb., 1903, p. 295.

GALLS AND SORES ON MULES AND HORSES. M. & M., May, 1904, p. 491. ¼ column.

HORSE-FEED. By F. G. Meachem. T. F. I. M. E., vol. 10, p. 187. 2 pages.

CARE AND PROTECTION OF MULES IN MINES. M. & M., July, 1903, p. 568. 5 columns.

THE CARE OF MINE MULES. M. & M., Jan., 1903, p. 272. ½ column.

"CHOP" AS ANIMAL FEED IN MINES. E. & M. J., vol. 82, p. 67. Note.

UNDERGROUND HORSES AT AN INDIAN COLLIERY. By T. Adamson. T. I. M. E., vol. 29, p. 496. 6 pages. I.

FEEDING AND CARE OF MINE MULES. E. & M. J., vol. 84, p. 645. Note.

CARE OF MINE MULES. By I. C. Newhard. M. & M., vol. 28, p. 56. 5½ columns. I.

TUBERCULOSIS AMONG THE MULES IN THE SCHUYLKILL COAL REGION, PENNSYLVANIA. E. & M. J., vol. 83, p. 770. Note.

UNDERGROUND STABLES. By W. C. Blackett. T. I. M. E., vol. 24, p. 482. 7 pages. I.

MINE STABLE. By B. S. Randolph. M. & M., Feb., Aug., 1903, p. 295, p. 37.

UNDERGROUND STABLES: A Description of Methods of Caring for Pit Stock Underground as Recommended for English Mines. By W. C. Blackett. M. & M., Sept., 1903, p. 56. 4¾ columns. I.

CARE OF THE MINE MULE: Underground Stables; Manner of Feeding and Kind and Amount of Feed Required. By E. Hogg. M. & M., vol. 26, p. 149. 5 columns. I.

STANDARD MINE STABLE OF THE CONSOLIDATED COAL COMPANY OF MARYLAND. By R. S. Randolph. M. & M., vol. 24, p. 37. ¾ column. I.

SIZE OF MINE STABLES, STALLS, GRADES, ETC. E. & M. J., vol. 83, p. 1056. Note.

UNDERGROUND STABLES. M. & M., vol. 26, p. 444. 5 columns. I.

BLASTING IN MINES: METHODS AND CONDITIONS

Blasting. By A. Kirk. P. E. Soc. W. Pa., vol. 1, p. 164. 12 pages. I.

Drilling and Blasting at the Pioneer Mine, Ely, Minn. J. C. M. I., vol. 7, p. 362. 2 pages. I.

Drilling and Blasting at Bingham, Utah. M. & M., vol. 28, p. 105. ½ column.

Drilling and Blasting at the Daly-West Mine, Utah. M. & M., vol. 28, p. 354. ¼ column.

Blasting in Hard Ground. E. & M. J., vol. 82, p. 781. 1¼ columns.

Blasting in Mines. Min. & Sci. Press, vol. 47, p. 57, ¾ column, I.; p. 73, 3 columns, I.; p. 89, ⅔ column; p. 105, 1½ columns; p. 121, 2 columns; p. 137, ¾ column; p. 153, ⅔ column; p. 169, 1 column; p. 201, 1 column; p. 220, ¾ column; p. 233, 1 column; p. 252,1¾ columns; p. 289, 2 columns, I.; p. 304, 1 column; p. 313, 1½ columns; p. 352, 1¼ columns; p. 385, 1½ columns; p. 401, 1½ columns.

The Principles of Blasting. Min. & Sci. Press, vol. 57, p. 105. 3 columns. I.

Rules for Blasting. Min. & Sci. Press, vol. 57, p. 161. 3½ columns. I.

Blasting Rock (The Knox System). Min. & Sci. Press, vol. 54, p. 380. 2 columns. I.

Effect of Diameter of Hole on Blasting. T. N. S. I. M. & M. E., vol. 4, pp. 97, 98. Notes.

Temperatures Required for Firing Various Explosives. T. N. S. I. M. & M. E., vol. 3, p. 79. Table.

Some Recent Experiments in Blasting with Compressed Cartridges. By W. Blakemore. J. C. M. I., vol. 1, p. 3. 7 pages. I.

Simultaneous Firing of Blasts: Protecting Cables with Iron Pipe. Min. & Sci. Press, vol. 49, p. 36. ⅓ column.

Simultaneous Blasting in Mines without Electricity. Min. & Sci. Press, vol. 49, p. 39. ¾ column.

Influences on Shots in Blasting. Min. & Sci. Press, vol. 46, p. 353. ⅔ column.

Blasting in Mines. Min. & Sci. Press, vol. 34, p. 264. 1 column.

A Heavy Mining Blast. Min. & Sci. Press, vol. 39, p. 321. ¾ column.

Blasting with Dynamite under Water. By J. Mahler. E. & M. J., vol. 25, p. 307. ½ column.

Blasting. By W. W. Smyth. E. & M. J., vol. 22, p. 331. 2 columns.
E. & M. J., vol. 22, p. 348. 2 columns. I.

Experiments with Gun-Cotton in Blasting: Trial in the Gould and Curry Mine. Am. Jour. Min., vol. 4, p. 129. ⅔ column.

Use of Willow Mattress Instead of Logging Blasts. E. & M. J., vol. 80, p. 548. Note.

Notes on the Products and Temperature of Detonation of Some High Explosives. By W. J. Orsman. T. F. I. M. E., vol. 3, p. 91. 10 pages.

The Detonation of High Explosives by Percussion. By W. J. Orsman. T. F. I. M. E., vol. 3, p. 574. 5 pages.

Rock Drilling and Blasting. By N. W. Parlee. J. C. M. I., vol. 6, p. 376. 13 pages.

Notes on Blasting with No. 1 Dynanite, Blasting Gelatine, and Ammonite, in Chota Nagpur, Bengal, India. By A. M. Smith. T. I. M. & M., vol. 5, p. 141.

Methods and Costs of Blasting and Handling Boulders. Min. & Sci. Press, Feb. 11, 1905, p. 86.

Premature Blasts: Hot Holes. Min. & Sci. Press, vol. 45, p. 22. ½ column.

Blasting in New York City. By R. W. Raymond. E. & M J., vol. 81, p. 1106. 1 column.

"Springing" Holes to Increase Capacity for Powder Charge: Homestake Mines. Min. & Sci. Press, vol. 90, p. 404. Note.

Blasting in Coal Mines

Blasting in Coal Mines. Coll. Working and Management, p. 164. 3 pages. I.

Charging Shot Holes in Coal Mines. E. & M. J., vol. 84, p. 644. ¾ column.

Shot-Firers and Evils of Solid Shooting. By G. Harrison. E. & M. J., vol. 84, p. 167. 3 columns.

Prohibition of Blasting in Coal Mines: Its Effect upon the Cost of Production. By W. Y. Craig. T. N. S. I. M. & M. E., vol. 4, p. 53, 6½ pages; and p. 179, 12½ pages.

On Sudden Outbursts of Fire-Damp and as to the Propriety of Blasting in Those Seams which are Proved to be Liable to the Outbursts. By J. Brown. T. N. S. I. M. & M. E., vol. 4, p. 199. 24½ pages.

The Appearance of a Shot-Hole from which the Charge has Blown Out. By A. R. Sawyer. T. N. S. I. M. & M. E., vol. 8, p. 209. 12 pages. I.

Chambered Shots. T. N. S. I. M. & M. E., vol. 8, p. 260. 3 pages. I.

Experiments with Explosives in Connection with above Work. T. N. S. I. M. & M. E., vol. 8, pp. 221, 225, 228, 231, 234, 237, 264, 266, 267, 275, 279, 281.

Blasting in Gaseous Mines. M. & M., vol. 27, p. 244. ¾ column.

"Fast Shooting": Evil of the System. By Coal Mine Inspr. of Ohio. M. & M., vol. 26, p. 412. 1½ columns.

Shooting from the Solid. By C. J. Norwood. Coll. Engr., vol. 9, p. 193. ⅔ column.

Shot-Firing in Mines. Coll. Engr., vol. 8, p. 267, 7½ columns, I.; vol. 9, p. 1, 9 columns, I.; vol. 9, p. 25, 6 columns, I.; vol. 9, p. 159, 2 columns.

The Use of Explosives in Fiery Mines. E. & M. J., vol. 50, p. 627. 1 column.

Blasting Coal in Bituminous Mines. By J. T. Beard. E. & M. J., vol. 80, p. 530, 6¾ columns, I.; and p. 586, 5½ columns.

Using Powder in Illinois Coal Mines. E. & M. J., vol. 75, p. 749. ⅞ column.

Shot Firers and Careless Mining in Illinois Coal Mines. E. & M. J., vol. 76, p. 16. 1½ columns.

Shot Firers in Indiana Coal Mines. E. & M. J., vol. 75, p. 894. 1 column.

Shot-Firers in Ohio. E. & M. J., vol. 80, p. 58. 1 column.

Notes on Blasting in Coal-Mines. By H. Bigg-Wither. T. F. I. M. E., vol. 6, p. 538. 6 pages.

Blasting in Collieries: Improvements Suggested with a View to Preventing Accidents. By M. C. Ihlseng. Coll. Engr. & Met. Miner, vol. 17, p. 113. 2¾ columns.

The Illinois Coal Mine Blasting-Law. E. & M. J., vol. 76, p. 20. ½ column.

"Blown-Out" and "Windy" Shots. M. & M., vol. 26, p. 166. 1¼ columns.

The Shot-Firer Question. E. & M. J., vol. 80, p. 501. 2 columns.

Shot-Firing. E. & M. J., vol. 79, p. 1245. ½ column.

Shot-Firing in Illinois. E. & M. J., vol. 79, p. 950. 1 column.

Instructions to the Shot Examiners of the First Inspection District, Iowa. By J. Verner. M. & M., Aug., 1902, p. 17. 2 columns.

Underground Blasting Operations, with Special Reference to Blown-Out Shots, and Their Prevention. By H. Johnson. T. N. S. I. M. & M. E., vol. 9, p. 350. 14 pages. I.

Windy and Blown-Out Shots. M. & M., vol. 26, p. 309. ⅓ column.

Preventative for Windy or Blown-Out Shots. M. & M., vol. 26, p. 285. ½ column.

Method of Firing Explosives

Coupling of Blasting-Charges in Electrical Shot-Firing. T. I. M. E., vol. 26, p. 624. ¾ page.

Dynamo Electric Fuse Igniting Apparatus. By J. Von Lauer. Min. Mag., Oct.-Nov., 1904, p. 303. ½ column.

Electric Blasting in Coal Mines. By R. Lee. E. & M. J., vol. 83, p. 914. ½ column.

Firing Explosives. T. N. S. I. M. & M. E., vol. 3, p. 79. 3 pages.

Blasting by Electricity. By C. H. Smith. Min. & Sci. Press, vol. 79, p. 664. 2½ columns.

Firing Blasts by Electricity. Min. & Sci. Press, vol. 90, p. 55. 4 columns. I.

Rock Blasting by Electricity. Min. & Sci. Press, vol. 62, p. 296. 2 columns.

Electrical Shot Firing in Mines. Min. & Sci. Press. vol. 66, p. 213. ⅞ column.

Blasting by Electricity. Coll. Engr., vol. 12, p. 267. 1½ columns.

Apparatus for the Firing of Mines by Electricity. Min. & Sci. Press, vol. 25, p. 246. ⅔ column.

The Application of Electricity to Explosive Purposes. E. & M. J., vol. 35, p. 282. 1½ columns.

Firing Blasts by Electricity. M. & M., vol. 25, p. 348. 3½ columns. I.

Electrical Shot Firing in Mines. By F. Brain. E. & M. J., vol. 55, p. 10. ¾ column.

The Low Tension System of Shot-Firing. By T. M. Winstanley-Wallis. T. F. I. M. E., vol. 2, p. 553. 3 pages. I.

Electric Blasting (Historical and Descriptive). By W. Maurice. T. F. I. M. E., vol. 14, p. 142, 22 pages, I.; p. 445, 20 pages, I.; vol. 15, p. 189, 14 pages, I.
T. I. M. E., vol. 16, p. 128. 54 pages. I.

The Value of Detonating Caps in Blasting. By R. L. Oliver. Min. & Sci. Press, vol. 93, p. 385, 3 columns; p. 420, 6 columns. I.

Automatic Exploder. Min. & Sci. Press, vol. 44, p. 321. 1 column. I.

Notes on Detonators. By H. Bigg-Wither. T. I. M. E., vol. 21, p. 442. 8 pages. I.

Notching Fuse as a Gage of Burning. E. & M. J., vol. 82, p. 594. Note.

Spitting and Snuffing of Fuses. Min. & Sci. Press, vol. 91, p. 155. ⅔ column.

Use of "Cheesa Sticks" for Firing Fuse in the Rand. E. & M. J., vol. 81, p. 380. Note.

Notes on Safety Fuse. By J. Thomas. P. C. M. & M. Soc. S. A., vol. 5, p. 117, 10 columns, I.; p. 176, 5½ columns; p. 227, 4 columns.

Blasting in Coal: Needle and Barrel Work. Min. & Sci. Press, vol. 63, p. 335. ½ column. I.

A New Method of Exploding Charges in Fiery Coal-Mines. Coll. Engr., vol. 10, p. 11. ¾ column. I.

Use of Explosives in Fiery Mines. Coll. Engr., vol. 10, p. 77. ⅔ column.

The Speakman Water Cartridge. Coll. Engr., vol. 13, p. 123. 1½ columns. I.

A COMPARISON OF THE NEEDLE AND BARREL METHODS OF BLASTING IN COAL MINING. By L. Gluck. E. & M. J., vol. 49, p. 223. ¾ column. I.

DAVEY-BICKFORD-SMITH SAFETY SHOT-FIRER. By G. Chesneau. T. I. M. E., vol. 17, p. 269. 4 pages. I.

THE WOOD PISTOL SHOT-FIRER. T. F. I. M. E., vol. 8, p. 384. 1 page. I.

THE WALKER HOLLOW NEEDLE FOR FIRING HIGH EXPLOSIVES. By J. Mein. T. F. I. M. E., vol. 14, p. 164. 5 pages. I.

COMPRESSED LIME CARTRIDGES. E. & M. J., vol. 41, p. 152. Note.

THE SETTLE WATER CARTRIDGE FOR FIERY COAL MINES. E. & M. J., vol. 41, p. 154. Note.

Use of Compressed Air in Blasting

BLASTING BY COMPRESSED AIR. Min. & Sci. Press, vol. 39, p. 307. ½ column.

LIQUID AIR AS AN EXPLOSIVE. E. & M. J., vol. 69, p. 170; vol. 68, p. 514; and vol. 65, p. 548.

LIQUID AIR EXPLOSIVES. M. & M., vol. 26, p. 106. Note.

ON SOME EXPERIMENTS MADE WITH COMPRESSED AIR FOR BRINGING DOWN COAL. By E. Craig. T. N. S. I. M. & M. E., vol. 6, p. 83. 14 pages. I.

LIQUID AIR AND ITS USE AS AN EXPLOSIVE. T. I. M. E., vol. 19, p. 164. 6 pages.

See LIQUID AIR AS AN EXPLOSIVE.

Arrangement of Holes in Blasting

METHOD OF BLASTING IN THE TUNNELING OPERATIONS OF THE ANTHRACITE FIELDS. E. & M. J., vol. 84, p. 503. ½ column.

ARRANGEMENT OF HOLES IN DRIVING THE NEWHOUSE TUNNEL. M. & M., vol. 27, pp. 36 and 37. ½ column.

ARRANGEMENT OF HOLES IN DRIFTING, CENTER STAR MINE, ROSSLAND, B. C. Min. & Sci. Press, vol. 90, p. 104. ¼ column. I.

DRILLS AND DRILLING AT ROSSLAND, B. C. Min. & Sci. Press, vol. 90, p. 117. ½ column.

ARRANGEMENT OF HOLES IN DRIFTING, HOMESTAKE MINE. Min. & Sci. Press, vol. 88, p. 147. I.

ARRANGEMENT OF HOLES IN BLASTING USED AT ST. GOTHARD TUNNEL. Min. & Sci. Press, vol. 41, p. 205. ½ column.

ARRANGEMENT OF HOLES FOR BLASTING IN PARKER SHAFT, FRANKLIN FURNACE, N. J. M. & M., vol. 20, p. 482.

ARRANGEMENT OF HOLES IN SINKING ROUND SHAFTS OR PITS. T. F. I. M. E., vol. 8, plate 1. I.

Tamping and Tamping Materials

TAMPING AND TAMPING MATERIAL. E. & M. J., vol. 83, p. 1107. Notes.

THE TAMPING OF SHOTS IN MINES. T. I. M. E., vol. 26, p. 626. 1 page.

COLORADO LAW AGAINST USE OF IRON TAMPING ROD. Min. & Sci. Press, vol. 87, p. 333. Note.

WOOD PULP AS TAMPING: Used in Coal Mines, with Dynamite, in Utah. Min. & Sci. Press, vol. 90, p. 314. Note.

PRESSURE ON TAMPING IN BLASTING. M. & M., vol. 27, p. 428. ⅓ column.

INTERMEDIATE SAND TAMPING IN BLASTING: To Spread Force of Explosion. E. & M. J., vol. 81, p. 277. 1 column.

A NEW METHOD OF TAMPING AND RAMMING BORE-HOLES. By H. Johnson. T. F. I. M. E., vol. 6, p. 550. 4 pages. I.

TAMPING DRILL-HOLES WITH PLASTER OF PARIS. By F. Firmstone. T. A. I. M. E., vol. 12, p. 574.

BLASTING CONES. M. & M., vol. 28, p. 426. Note. I.

THE HYDRAULIC MINING CARTRIDGE. E. & M. J., vol. 82, p. 65. 1¾ columns. I.

Blasting Plug for Timber: Splitting Timber. Min. & Sci. Press, vol. 54, p. 285. ¾ column. I.

Notes on Recent Experiments with Mechanical Tamps. By W. R. Crane. E. & M. J., vol. 74, p. 814. 6 columns. I.

Tamping Holes Charged with High Explosives. E. & M. J., vol. 37, p. 100. Note.

An Illustration of the Result of Tamping Dynamite with an Iron Rod. E. & M. J., vol. 72, p. 104. ¼ column. I.

Quantity of Explosive that should be Used

Amount of Explosive. M. & M., vol. 27, p. 514. Note.

Depth of Holes and Quantity of Powder Used in the "Glory-Hole" System of Mining at the Homestake Mines. Min. & Sci. Press, vol. 90, p. 404. Note.

Powder Required for Blasting. M. & M., vol. 26, p. 214. 1¾ columns.

Amount of Powder to be Used in Blasts. T. A. I. M. E., vol. 7, p. 269.

Powder Required for Blasting Coal. M. & M., vol. 26, p. 274. ½ column.

Amount of Powder Required for a Shot. M. & M., vol. 26, p. 408. ¼ column.

Rule for Determining the Weight of Black Powder to Use in Any Given Hole, in Bituminous Workings. M. & M., vol. 20, p. 367.

Force Required to Cause Disruption in Blasting: Quantity of Powder to Hole of Given Diameter and Depth of Hole to Contain One Pound of Powder. Min. & Sci. Press, vol. 47, p. 169. Table.

Large or Mammoth Blasts

The Great Blast at Glendon, Easton, Pa. By E. Clark. T. A. I. M. E., vol. 7, p. 266.

Mammoth Blasting in Hydraulic Mining. E. & M. J., vol. 19, p. 182. 1 column.

Large Explosions and Their Radii of Danger. By Col. Bucknill. Engineering, vol. 64, p. 186, 4½ columns, I.; p. 251, 5½ columns; p. 284, 2⅞ columns; p. 314, 2⅞ columns.

Blasting Out Dimension Stone. E. & M. J., vol. 54, p. 248. 1 column.

A Large Blast. E. & M. J., vol. 48, p. 495. ½ column. I.

Blasting Tight Placers Before Dredging. By O. B. Finn. E. & M. J., vol. 78, p. 9. 2½ columns. I.

Bank Blasting in Hydraulic Mining. Min. & Sci. Press, vol. 30, p. 49. 2 columns. I.

Big Blasts. Min. & Sci. Press, vol. 32, p. 66. ⅔ column.

Bank Blasting. Min. & Sci. Press, vol. 56, p. 281. ⅞ column.

Mammoth Blasts Preceding Hydraulicking at Altin District, B. C. M. & M., vol. 27, p. 243. ¼ column.

Blasting in Placer Banks. Min. & Sci. Press, vol. 28, p. 296. 1 column. I.

Blasting in Excavating Large Masses of Rock. E. & M. J., vol. 84, p. 204. 1½ columns.

Blasting in Granite Quarrying. E. & M. J., vol. 84, p. 392. 1½ columns. I.

Placing Powder in Large (Mammoth) Blasts. T. A. I. M. E., vol. 7, p. 280.

Submarine Blasting

The Removal of Blossom Rock in San Francisco Harbor. E. & M. J., vol. 9, p. 273. 1⅓ columns.

The Hell Gate Improvements. E. & M. J., vol. 40, p. 288, 6½ columns, I.; and p. 384, 3 columns.

Heavy Submarine Blasts (Henderson's Point). E. & M. J., vol. 80, p. 251. 1¼ columns. I.

The Hell Gate Obstructions. E. & M. J., vol. 13, p. 200. 1 column.

Submarine Blasting. Min. & Sci. Press, vol. 27, p. 227. ⅔ column.

Method of Submarine Blasting, Port Fremantle, West Australia. Gold Mining & Milling, p. 452. Note.

Lime Blasting

The "Lime Process" in English Coal Mines: Breaking Down Coal. E. & M. J., vol. 34, p. 319. ⅔ column.

The Speakman Water-Cartridge. By J. J. Speakman. T. F. I. M. E., vol. 3, p. 359. 7 pages. I.

Blasting in Coal (Lime). Min. & Sci. Press, vol. 48, p. 189. ⅔ column.

Water and Gelatinous Cartridges. T. N. S. I. M. & M. E., vol. 9, p. 114, 6 pages; and p. 123, 26 pages. I.

Blasting with Water Cartridges in Combination with Inflammable Explosives. By J. Macnab. T. N. S. I. M. & M. E., vol. 6, p. 229. 8 pages.

Lime Blasting. By Chas. Gordon. T. N. S. I. M. & M. E., vol. 7, p. 50. 4 pages.

The Use of Lime Cartridges as Applied to the North and South Staffordshire Coal Fields. By F. M. Still. T. N. S. I. M. & M. E., vol. 7, p. 277. 10 pages.

Smith and Moore's Process of Getting Coal by Caustic Lime. By T. E. Storey. T. N. S. I. M. & M. E., vol. 6, p. 208. 8 pages.

CHEMISTRY: METHODS AND PRACTICE

Solutions. By A. A. Watson. Min. & Sci. Press, vol. 84, p. 35. 1½ columns.

The Theory of Solutions. By A. Von Oettingen. P. C. & M. Soc. S. A., vol. 2, p. 543. 10½ pages.

Chemistry of Storage Batteries. T. A. I. M. E., vol. 18, p. 351.

Schemes for Qualitative Analysis. By J. S. C. Wells and A. R. Cushman. Sch. Mines Quart., vol. 15, p. 244. 30 pages.

The Value of Careful and Complete Analysis of Rocks and Minerals. By W. L. Coodwin. T. F. C. M. I., vol. 1, p. 37. 7 pages.

Western Notes for the Instruction of Assayers and Chemists. By S. Crasdale. E. & M. J., vol. 55, p. 130. 3 columns.

The Chemistry of the Mine. By A. Hill. T. N. S. I. M. & M. E., vol. 1, p. 7, 16 pages; p. 24, 16 pages; p. 57, 20 pages.

Chemical Engineering. P. C. M. & M. Soc. S. A., vol. 6, p. 25. 3 columns.

Licensed Chemists. E. & M. J., vol. 84, p. 1032. 4½ columns.

Inorganic Standards for the Calorimetric Carbon Test. By T. W. Robinson. T. A. I. M. E., vol. 16, p. 111.

A Switchboard Attachment for Electrolysis. By E. L. Larrison. E. & M. J., vol. 82, p. 932. 3 columns. I.

Independent Stirrer for Electrolysis. By E. L. Larrison. E. & M. J., vol. 82, p. 1168. 5½ columns. I.

The Precipitation of Metals from Hyposulphite Solutions. By C. A. Stetefeldt. T. A. I. M. E., vol. 20, p. 15.

Note on the Use of a Mechanical Stirrer for Promoting Chemical Action. By E. K. Landis. T. A. I. M. E., vol. 21, p. 304.

Grading Analyses. By H. S. Denny. E. & M. J., Mar. 9, 1905, p. 469. 4 columns.

Improved Methods of Analysis. By T. Ulke. E. & M. J., vol. 65, p. 430, 1⅓ columns; and p. 518, ⅔ column.

The Actual Accuracy of Chemical Analysis. By F. P. Dewey. T. A. I. M. E., vol. 26, p. 370.

Filtration of Fine Precipitates. By C. S. Palmer. E. & M. J., vol. 80, p. 582. ⅓ column.

Some Causes of Error in Blank Analyses. By J. B. Mackintosh. Sch. Mines Quart., vol. 9, p. 81. 2 pages.

Evaporation of Solutions. E. & M. J., vol. 78, p. 711. 2 columns.

Laboratory Notes on Analytical Methods. By W. E. Garrigues and G. Mueller. P. E. Soc. W. Pa., vol. 11, p. 334. 16½ pages.

Methods Used in the Laboratory of the Duquesne Steel Works. By J. M. Camp. P. E. Soc. W. Pa., vol. 11, p. 251. 15½ pages. I.

An Improved Washbottle for Quantitative Work. By E. H. Weiskopf. P. C. & M. Soc. S. A., vol. 3, p. 66. 2 pages. I.

Progress of Electro-Chemistry in 1898. E. & M. J., vol. 68, pp. 190, 220, 247.

The Study of Chemistry in Germany. By S. B. Newberry. Sch. Mines Quart., vol. 5, p. 1. 8 pages.

New Course at Columbia University for Chemical Engineers. By E. H. Miller. E. & M. J., vol. 79, p. 846. 1½ columns.

A Course in Industrial Chemistry for Technical Schools. By F. L. Dunlap. Soc. P. E. E., vol. 6, p. 216.

Pictet's Oxygen Separation Process: A Description of the Apparatus and Process of Distilling from the Atmosphere at a Low Price. M. & M., Feb., 1902, p. 298. 1½ columns.

The Chemistry of Gossan. By S. H. Emmens. E. & M. J., vol. 54, p. 582. 3 columns.

Analyzing Minerals in the Field: Extemporaneous Chemistry. Min. & Sci. Press, vol. 25, p. 150. 2 columns.

Chemical Reduction of Ores. Min. & Sci. Press, vol. 23, p. 280. 1 column.

Methods of Iron Ore Analysis Used in the Laboratories of the Iron Mining Companies of the Lake Superior Mining Region. By W. A. Siebenthal. L. S. M. I., vol. 11, p. 71, 68 pages; and p. 177, 4 pages.

Analysis of Coal and Ores. Coll. Engr., vol. 12, p. 211, 1½ columns, I.; p. 235, 1½ columns, I.; p. 258, 2⅓ columns, I.; p. 282, 2 columns, I.; vol. 13, p. 18, 1⅓ columns, I.

A Rapid Method for the Reduction of Ferric Sulphate in Volumetric Analysis. T. A. I. M. E., vol. 17, p. 757 and p. 411.

On Pulverized Zinc and its Uses in Analytical Chemistry. By T. M. Drown. T. A. I. M. E., vol. 6, p. 508.

Analyses of Rocks. By T. Egleston. T. A. I. M. E., vol. 3, p. 94.

Purification of Sodium Hyposulphite Solutions. E. & M. J., vol. 63, p. 63. ½ column.

The Analysis of Insolubles. By D. Lay. J. C. M. I., vol. 5, p. 42. 4 pages.

Determination of Insoluble Matter. E. & M. J., vol. 84, p. 924. 1¾ columns.

The Simultaneous Production of Ammonia, Tar, and Heating-Gas. By A. Hennin. T. A. I. M. E., vol. 21, p. 234.

Progress of the Manufacture of Soda by the Ammonia-Soda Process. By O. J. Heinrich. T. A. I. M. E., vol. 13, p. 371.

Apparatus for Volumetric Determinations with Potassium Permanganate. By C. Jones. T. A. I. M. E., vol. 15, p. 625.

Bleaching Barytes. By E. Higgins. E. & M. J., Mar. 9, 1905, p. 465. 2 columns.

Analyses of Furnace Gases: A Description of the Orsat Apparatus. By T. Egleston. T. A. I. M. E., vol. 2, p. 225.

Chemical Laboratories

Laboratory of the Coffeyville Zinc Works, Kansas. By E. W. Buskett. E. & M. J., vol. 84, p. 541. 5½ columns. I.

The Equipment of a Laboratory for Metallurgical Chemistry in a Technical School. By Chas. H. White. M. & M., Jan., 1905, p. 317. 4 columns.

The Electro-Chemical Laboratory at Owen's College, Manchester. By E. Walker. E. & M. J., vol. 74, p. 644. 1 column. I.

Equipment of Mining Laboratories. E. & M. J., vol. 77, p. 676. 2 columns.

Laboratories for Advanced Instruction. E. & M. J., vol. 77, p. 551. 2½ columns.

Notes on the New Chemical Laboratory of the Missouri School of Mines. By C. E. Wait. T. A. I. M. E., vol. 15, p. 21.

A Convenient Still for the Laboratory. By C. E. Wait. T. A. I. M. E., vol. 24, p. 167.

The Equipment of a Laboratory for Metallurgical Chemistry in a Technical School. By C. H. White. T. A. I. M. E., vol. 35, p. 117, 8 pages, I.; and p. 971.

Determination of Bismuth, Molybdenum, Mercury, Tellurium, Wolfram, etc.

Bismuth Assay. By T. D. Kyle and A. W. Warwick. E. & M. J., vol. 71, p. 459. 1¾ columns.

Determining Mercury in Low-Grade Ores. Min. & Sci. Press, vol. 93, p. 606. ¼ column. I.

The Determination of Graphite in Minerals. By J. B. Mackintosh. Sch. Mines Quart., vol. 6, p. 159. 2 pages.

Determination of Sulphur in Copper. E. & M. J., vol. 50, p. 619. ⅓ column.

Salt Manufacture in California. By C. G. Yale. E. & M. J., vol. 78, p. 106. 1⅓ columns.

The Stuart Process for the Production of Oxygen. By R. Hitchcock. E. & M. J., vol. 67, p. 83, 2⅔ columns; and p. 111, 2½ columns.

The Determination of Paraffin in Petroleum Residues, etc. By C. Richardson. E. & M. J., vol. 73, p. 653. 1 column.

A Rapid Method of Determining Molybdenum. By J. Darroch and C. A. Meiklejohn. E. & M. J., vol. 82, p. 818. 2 columns.

Calorimetric Estimation of Selenium. By J. E. Clennell. E. & M. J., vol. 80, p. 777. 2 columns.

A Method for the Direct Determination of Alumina. E. & M. J., vol. 77, p. 357. 5½ columns.

The Estimation of Mineral Oil in the Presence of Other Oils. By C. C. Hall. T. A. I. M. E., vol. 11, p. 88.

Notes on Some Reactions of Titanium. By E. H. Richards. T. A. I. M. E., vol. 11, p. 90.

Analyses of Some Tellurium Minerals. By E. P. Jennings. T. A. I. M. E., vol. 6, p. 506.

Tests for Tellurium. Min. & Sci. Press, vol. 93, p. 233. ½ column.

Chemical Test for Wolfram. Min. & Sci. Press, vol. 92 p. 38. ½ column.

Methods of Determining Manganese

Notes on Textor's Rapid Method for the Determination of Manganese in Steel. By C. P. Van Gundy. P. E. Soc. W. Pa., vol. 8, p. 158. 8 pages.

The Volumetric Determination of Manganese in Iron and Steel. By H. E. Walters. P. E. Soc. W. Pa., vol. 19, p. xliii. 2 pages.

A Quick Method of Estimating Manganese. By J. Darroch and C. A. Meiklejohn. E. & M. J., vol. 82, p. 97. 1¾ columns.

A Modification for the Determination of Manganese in Iron. By R. Meeks. E. & M. J., vol. 82, p. 266. ⅔ column.

The Determination of Manganese in Spiegel. By G. C. Stone. Sch. Mines Quart., vol. 6, p. 24. 10 pages.

Manganese Methods. By J. B. Mackintosh. Sch. Mines Quart., vol. 6, p. 35. 2½ pages.

Estimation of Manganese in Ores. E. & M. J., vol. 55, p. 124. ½ column.

The Volumetric Estimation of Manganese. By G. Auchy. E. & M. J., vol. 61, p. 111. 1¼ columns.

The Volumetric Determination of Manganese. By J. B. Mackintosh. T. A. I. M. E., vol. 12, p. 79.

The Influence of Organic Matter and Iron on the Volumetric Determination of Manganese. By J. B. Mackintosh. T. A. I. M. E., vol. 13, p. 39.

Lime and Cement Analysis

Review of the Chemistry of Portland Cement. By F. H. Mason. Min. & Sci. Press, vol. 94, p. 724. 3½ columns.

The Chemical Analysis of Portland Cement. By R. R. Meade. Min. & Sci. Press, vol. 84, p. 5. 1 column.

Practical Hints on Limestone Analysis. By K. J. Sundstrom. E. & M. J., vol. 64, p. 126. ½ column.

A Rapid Method of Determining Lime in Blast-Furnace Slags. By T. Ulke. E. & M. J., vol. 69, p. 164. ¾ column.

Acid Manufacture

The Manufacture of Pure Nitric Acid. E. & M. J., vol. 55, p. 83. 1 column. I.

New Specific Gravity Tables for Hydrochloric and Nitric Acid. By G. Lunge. E. & M. J., vol. 51, p. 558. 4 columns. I.

The Comparative Value of Brimstone and Pyrites in the Manufacture of Sulphuric Acid. By J. H. Kelley. E. & M. J., vol. 54, p. 76, 1⅙ columns; vol. 55, p. 297.

Nitric Acid of High Concentration. E. & M. J., vol. 80, p. 386. ½ column.

Sulphuric Acid Manufacture. By F. Luety. E. & M. J., vol. 80, p. 634. 7 columns. I.

Recent Improvements in the Manufacture of Sulphuric Acid. E. & M. J., vol. 77, p. 1007. 4 columns.

Salt Cake and Muriatic Acid Manufacture by the Oehler-Meyer Process. E. & M. J., vol. 80, p. 533. 3⅓ columns. I.

Sulphuric Acid by Electrolysis. E. & M. J., vol. 74, p. 148. ½ column.

Estimation of Phosphoric Acid in Fertilizers. By A. G. Woodman. E. & M. J., vol. 74, p. 781. ¾ column.

Manufacture of Sulphuric Acid by Contact Process. E. & M. J., vol. 73, p. 481. 1 column.

On the Manufacture of Sulphuric Acid at Sidney, Cape Breton. By C. A. Meissner. J. C. M. I., vol. 6, p. 390. 18 pages. I.

Lyte and Lunge's Nitric Acid Process. By G. L. F. Vogel. E. & M. J., vol. 69, p. 408. 4 columns. I.

Twenty Years' Progress in the Concentration of Sulphuric Acid. By W. H. Adams. T. A. I. M. E., vol. 16, p. 496.

Sulphuric Acid in Russia. E. & M. J., Mar. 16, 1905, p. 512. ⅔ column.

Acid Making from Pyrrhotite. By E. A. Sjöstedt. J. C. M. I., vol. 7, p. 480. 14½ pages. I.

Manufacture of Sulphuric Acid in Florida. E. & M. J., vol. 82, p. 529. 1½ columns.

Mond's New Process of Obtaining Chlorine. E. & M. J., vol. 59, p. 31. 2⅛ columns. I.

Roessler's Method of Manufacturing Sulphuric Acid and Sulphate of Copper. By A. F. Wendt. T. A. I. M. E., vol. 12, p. 274.

The Manufacture of Liquid Sulphurous Acid in Upper Silesia. By K. Eilers. T. A. I. M. E., vol. 20, p. 336.

Determination of Antimony

Determination of Arsenic, Antimony, Copper, Bismuth, Iron, Zinc and Sulphur in Lead Base Bullion. P. E. Soc. W. Pa., vol. 10, p. 160. 4½ pages.

Volumetric Estimation of Antimony. E. & M. J., vol. 83, p. 896. 1 column.

Volumetric Estimation of Antimony. By J. Darroch. Min. & Sci. Press, vol. 94, p. 94. 2 columns.

The Volumetric Estimation of Antimony. By James Darroch. Min. & Sci. Press, vol. 92, p. 419. 1⅓ columns.

Volumetric Determination of Antimony. Min. & Sci. Press, vol. 84, p. 189. ¼ column.

The Determination of Arsenic and Antimony. By L. B. Skinner. E. & M. J., vol. 74, p. 148. 2½ columns.

Methods of Determining Sulphur

Analysis of Crude Sulphur. E. & M. J., vol. 75, p. 854. Note.

The Volumetric Determination of Sulphur and Ammonia in Illuminating Gas. By H. E. Saddler and B. Silliman. T. A. I. M. E., vol. 5, p. 387.

Determination of Sulphur in Roasted Zinc Blende. By V. Hassreidter. E. & M. J., vol. 83, p. 905. 2 columns.

Determination of Sulphur in Roasted Zinc Blende. By J. G. Heid. E. & M. J., vol. 62, p. 178. ⅓ column.

The Estimation of Sulphur in Refined Copper. By G. L. Heath. E. & M. J., vol. 61, p. 205. 1⅓ columns.

Estimation of Sulphur in Coal. Min. & Sci. Press, vol. 49, p. 177. ¼ column.

Coal Testing: Methods of Determining Sulphur and Ash in Coal and Coke. By M. Brown. M. & M., vol. 26, p. 326, 3½ columns; p. 470, 2½ columns.

Eschka's Method of Determining Sulphur in Coal. By F. Hundeshagen. E. & M. J., vol. 54, p. 320. ½ column.

Determination of Sulphur in Coal and Coke. E. & M. J., vol. 77, p. 202. ½ column.

The Determination of Sulphur in Coal. By C. W. Stoddart. E. & M. J., vol. 75, p. 968. 3 columns.

Determination of Sulphur in Coke and Coal. By R. Helmhacker. E. & M. J., vol. 62, p. 106. ⅓ column.

Estimating Sulphur in Coal. E. & M. J., vol. 66, p. 307. 1 column.

The Determination of Sulphur in Sulphides and in Coal and Coke. By T. M. Drown. T. A. I. M. E., vol. 8, p. 569.

Relations of Sulphur in Coal and Coke. By J. P. Kimball. T. A. I. M. E., vol. 8, p. 181.

AN ACCURATE ESTIMATION OF SULPHUR IN IRON BY THE EVOLUTION METHOD. By H. E. Walters and Robt. Miller. P. E. Soc. W. Pa., vol. 18, p. 83. 4½ pages.

THE DETERMINATION OF SULPHUR IN IRON BY THE EVOLUTION METHOD. P. E. Soc. W. Pa., vol. 21, p. 417. 2½ pages.

SULPHUR IN PIG-IRON. P. E. Soc. W. Pa., vol. 9, p. 45. 8 pages.

THE ESTIMATION OF SULPHUR IN PYRITES. E. & M. J., vol. 58, p. 514. ⅓ column.

RAPID DETERMINATION OF SULPHUR IN BURNT PYRITES. By J. Watson. E. & M. J., vol. 49, p. 590. 3⅓ columns.

THE DETERMINATION OF SULPHUR IN IRON. By L. L. de Koninck. E. & M. J., vol. 59, p. 441. ½ column.

SULPHUR IN CAST-IRON. By W. J. Keep. T. A. I. M. E., vol. 23, p. 382.

SULPHUR DETERMINATION IN STEEL. By M. Troilius. T. A. I. M. E., vol. 12, p. 507.

Gold and Silver Analysis

NOTE ON A FORM OF SILVER OBTAINED IN THE REDUCTION OF THE SULPHIDE BY HYDROGEN. By F. C. Phillips. P. E. Soc. W. Pa., vol. 10, p. 130. 2½ pages.

METHOD OF ANALYSIS OF GOLD-SILVER BULLION. By J. E. Clennell. E. & M. J., vol. 83, p. 1099. 5½ columns.

CHEMICAL NOTES ON GOLD MILLING. By R. N. Clark. P. E. Soc. W. Pa., vol. 10, p. 71. 12 pages.

A TEST FOR GOLD AND SILVER. Min. & Sci. Press, vol. 87, p. 131. ⅔ column.

TESTING GOLD DUST. Min. & Sci. Press, vol. 50, p. 153. ⅔ column.

DETECTION OF GOLD IN DILUTE SOLUTIONS. By T. K. Rose. E. & M. J., vol. 54, p. 603, ½ column.

DELICATE TEST FOR GOLD. Min. & Sci. Press, vol. 36, p. 163. ⅓ column.

A JEWELER'S TEST FOR GOLD. Min. & Sci. Press, vol. 36, p. 167. ¼ column.

ON THE RECOVERY OF SILVER FROM CAST IRON CRUCIBLES. Min. & Sci. Press, vol. 31, p. 406. 1½ columns.

DETERMINATION OF SILVER IN BLISTER COPPER. By C. C. Sample. E. & M. J., vol. 80, p. 732. 1 column.

THE ESTIMATION OF GOLD AND SILVER IN ANTIMONY AND BISMUTH. By E. A. Smith. E. & M. J., vol. 56, p. 77. ½ column.

QUANTITATIVE DETERMINATION OF VERY SMALL QUANTITIES OF SILVER. E. & M. J., vol. 38, p. 195. 1 column.

THE CONDITION OF SILVER IN A SAMPLE OF LITHARGE. By C. E. Wait. T. A. I. M. E., vol. 15, p. 463.

ELECTROLYTIC ANALYSIS OF GOLD. E. & M. J., vol. 77, p. 553. ⅓ column.

Methods of Determining Phosphorus

PHOSPHORUS IN THE ASHES OF ANTHRACITE COALS. By J. B. Britton. T. A. I. M. E., vol. 1, p. 298.

THE DETERMINATION OF PHOSPHORUS IN COAL AND COKE. By J. Lychenheim. T. A. I. M. E., vol. 24, p. 66 and p. 862.

A RAPID METHOD FOR THE DETERMINATION OF PHOSPHORUS. By F. A. Emmerton. T. A. I. M. E., vol. 15, p. 93.

THE DETERMINATION OF PHOSPHORUS. By J. Westesson. T. A. I. M. E., vol. 13, p. 405.

NOTES ON EMMERTON'S METHOD OF THE DETERMINATION OF PHOSPHORUS. By H. C. Babbitt. T. A. I. M. E., vol. 21, p. 794.

THE EXACT DETERMINATION OF PHOSPHORUS BY A MOLYBDATE METHOD IN IRON, STEEL AND ORES WHICH CONTAIN ARSENIC. By J. O. Handy. P. E. Soc. W. Pa., vol. 9, p. 377. 5 pages.

A Rapid Method for Phosphorus Determination in Iron, Steel and Ores. P. E. Soc. W. Pa., vol. 8, p. 78. 9 pages.

The Estimation of Titanium and Phosphorus in Iron Ores. By E. P. Jennings. E. & M. J., vol. 45, p. 475. ½ column.

The Analysis of Iron Ores Containing Both Phosphoric and Titanic Acids. By T. M. Drown and P. W. Shimer. E. & M. J., vol. 32, p. 353. 2½ columns.

A Rapid Method for the Determination of Phosphorus in Certain Ores. By T. Reed Woodbridge. T. A. I. M. E., vol. 17, p. 750.

Phosphate Chemistry as it Concerns the Miner. By T. C. Chatard. T. A. I. M. E., vol. 21, p. 160.

Note on the Determination of Phosphorus in Iron. By F. E. Bachman and F. Julian. T. A. I. M. E., vol. 10, p. 322; vol. 12, p. 518.

The Analysis of Iron-Ores Containing both Phosphoric and Titanic Acids. By T. M. Drown and P. W. Shimer. T. A. I. M. E., vol. 10, p. 137.

Insoluble Phosphorus in Iron Ores. By C. T. Mixer. E. & M. J., vol. 62, p. 4. 1 column.

Methods of Determining Lead

The Determination of Lead in Alloys. By W. E. Garrigues. P. E. Soc. W. Pa., vol. 14, p. 80. 3 pages.

Experience with Von Schulz and Low's Method for Lead Estimation in Ores. P. E. Soc. W. Pa., vol. 8, p. 120. 6 pages.

Determination of Lead in Galena. Min. & Sci. Press, vol. 82, p. 132. Note.

Analysis of Galena. Min. & Sci. Press, vol. 28, p. 51. ⅔ column.

The Commercial Wet Lead Assay. E. & M. J., vol. 78, p. 221. 1½ columns.

The Determination of Lead, Iron, Lime, Sulphur, Cadmium and Copper in Commercial Zinc Ores. By W. G. Waring. E. & M. J., vol. 78, p. 298. 4½ columns.

The Action of Sulphuric and Nitric Acid on Lead of Different Degrees of Purity. By G. Lunge. E. & M. J., vol. 55, p. 8, 3 columns; p. 32, 1⅓ columns; p. 56, 2½ columns.

Determination of Lead in Ores. Sch. Mines Quart., vol. 25, p. 177. 6 pages.

Methods of Determining Zinc

Titration of Zinc in Alkaline Solution. By E. B. Van Osdel. E. & M. J., vol. 84, p. 730. 2½ columns.

The Ferrocyanide Method for the Determination of Zinc. E. & M. J., vol. 83, p. 850. 1½ columns.

Detection of Willemite by Phosphorescence. By E. K. Judd. E. & M. J., vol. 83, p. 803. 1½ columns.

Zinc Ore Analysis. E. & M. J., vol. 84, p. 297. 1 column.

The Separation of Iron from Zinc by Ammonia. By K. Pietrusky. Min. & Sci. Press, vol. 92, p. 74. 2 columns.

Technical Estimation of Zinc. By C. E. Rueger. M. & M., vol. 27, p. 157. 2½ columns.

A New Method of Determining Zinc. By A. C. Langmuir. Min. & Sci. Press, vol. 78, p. 345. 1½ columns.

Manufacture of Zinc Pigments. By E. W. Buskett. M. & M., vol. 28, p. 193. 2½ columns. I.

Determination of Zinc in Ores. E. & M. J., vol. 54, p. 178. 1 column.

Estimation of Zinc in Ores. E. & M. J., vol. 51, p 322. ¼ column.

Volumetric Determination of Zinc. E. & M. J., vol. 78, p. 135. 2 columns.

Determination of Zinc in Ores. Sch. Mines Quart., vol. 25, p. 147. 8 pages.

Analysis of Franklinite and Some Associated Minerals. By Geo. C. Stone. Sch. Mines Quart., vol. 8, p. 148. 4 pages.

The Volumetric Estimation of Zinc. By B. C. Hinman. Sch. Mines Quart., vol. 14, p. 40. 6 pages.

The Estimation of Zinc. By H. Nissenson and W. Kettembeil. E. & M. J., vol. 80, p. 970, 7 columns; and p. 1075, 1⅔ columns.

Notes on the Method of Preparation of Zinc Oxide. By C. P. Williams. T. A. I. M. E., vol. 5, p. 422.

Analysis of the Franklinite Ores of New Jersey. By P. De F. Ricketts. E. & M. J., vol. 35, p. 235. 1⅔ columns.

Chemical Analysis in Cyaniding

Analytical Work in Connection with the Cyanide Process. By J. E. Clennell. T. I. M. & M., vol. 12, p. 367. 25 pages.

Notes on the Estimation of Sulphides in Cyanides. By J. Loevy. P. C. & M. Soc. S. A., vol. 2, p. 608. 3¼ pages.

Notes on the Analysis of Cyanide Solutions. By A. F. Crosse. P. C. & M. Soc. S. A., vol. 3, p. 1. 13 pages.

Estimation of the Chief Constituents in Cyanide Solutions. By J. E. Clennell. E. & M. J., vol. 79, p. 1230. 5⅔ columns.

The Colorimetric Estimation of Gold in Cyanide Solutions. By H. R. Cassel. E. & M. J., vol. 76, p. 661. 2 columns.

Determination of Gold and Silver in Cyanide Solutions. E. & M. J., vol. 76, p. 844. ½ column.

Electrolytic Analysis of Gold. E. & M. J., vol. 77, p. 553. ⅓ column.

An Examination of the Various Methods for the Estimation of Ferrocyanides. By J. E. Clennell. E. & M. J., vol. 76, p. 698. 9½ columns.

Estimation of Cyanogen in Impure Solutions. By J. E. Clennell. E. & M. J., vol. 59, p. 584, 3½ columns, I.; vol. 76, p. 13, 2½ columns; vol. 75, p. 968, 2 columns.

The Titration, Use and Precipitation of Cyanide Solutions Containing Copper. By W. H. Virgoe. T. I. M. & M., vol. 10, p. 103. 42 pages.

A Method of Testing Cyanide Solutions Containing Zinc. By L. M. Green. T. I. M. & M., vol. 10, p. 29. 12 pages.

Decomposition of Auric Chloride. By C. Vautin. T. I. M. & M., vols. 1 and 2, p. 273.

Estimation of Cyanide. By A. Adair. E. & M. J., vol. 75, p. 563. 1 column.

Contributions to the Chemistry of the Cyanide Process. By E. A. Schneider. E. & M. J., vol. 60, p. 489, 1½ columns; and p. 514, 1½ columns.

The Chemistry of the Cyanide Process: Is Zinc Potassium Cyanide a Solvent for Gold? By J. S. C. Wells. E. & M. J., vol. 60, p. 585. 1½ columns.

Analyses of Cyanide Mill Solutions. By W. J. Sharwood. E. & M. J., vol. 66, p. 216. 1 column.

Rate of Solution of Gold in Potassium Cyanide. By T. H. Plunkett. Canadian Mining Review, Sept. 30, 1904. 1¼ columns.
Min. Mag., Oct.-Nov., 1904, p. 311.

Cyanogen. E. & M. J., Mar. 16, 1905, p. 505. 1¼ columns.

Methods of Determining Arsenic

A Rapid Method of Determining Arsenic in Arsenopyrite. By J. L. Danziger and W. H. Buckhout. Sch. Mines Quart., vol. 24, p. 400. 5 pages.

Determination of Arsenic in Base Lead Bullion. P. E. Soc. W. Pa., vol. 10, p. 164. 4½ pages.

The Determination of Arsenic and Antimony. By L. B. Skinner and R. H. Hawley. E. & M. J., vol. 74, p. 148. 2½ columns.

Note on Arsenic Determination. By R. C. Canby. T. A. I. M. E., vol. 17, p. 77.

Determination of Arsenic in Steel, and Iron and Iron Ores. By J. E. Stead. E. & M. J., vol. 59, p. 608. 1 column.

Determination of Cobalt, Nickel, Tungsten and Tin

A Rapid Method for the Determination of Nickel in Steel. By A. T. Eastwick. P. E. Soc. W. Pa., vol. 9, p. 170. 2½ pages.

Determination of Tungsten in Steel. By P. Kemery. P. E. Soc. W. Pa., vol. 9, p. 173. 3 pages.

Determination of Tin in Tailings and Slimes. By G. L. Mackenzie. T. I. M. & M., vol. 13, p. 87. 16 pages. I.

The Analysis of Tin Plate for Tin, Lead, Iron and Manganese. P. E. Soc. W. Pa., vol. 8, p. 182. 7 pages.

Determination of Tin and Tungsten. E. & M. J., vol. 83, p. 573. ¼ column.

A Volumetric Method for Tin. By J. Darroch and C. A. Meiklejohn. E. & M. J., vol. 81, p. 1177. 2 columns.

Methods of Tin Analysis. Tin Deposits of the World, p. 207. 16 pages. I.

Treating Nickel Ores and Alloys. Min. & Sci. Press, vol. 33, p. 382. 2⅓ columns.

Nickel Analysis. By S. H. Emmens. E. & M. J., vol. 54, p. 510. 3 columns.

Determination of Tungsten. By F. Cremer. E. & M. J., vol. 59, p. 345. ⅔ column.

The Analysis of Tin and Terne Plate. E. & M. J., vol. 54, p. 610. ½ column.

Quantitative Determination of Tungsten in Ores. E. & M. J., vol. 71, p. 720. ½ column.

Detection of Nickel in Presence of Cobalt. E. & M. J., vol. 54, p. 59. ¼ column.

Quantitative Estimation of Tin. By C. J. Brooks. E. & M. J., vol. 61, p. 494. ¾ column.

Coal Analysis

The Chemical Composition of Coal. By E. Lecocq. M. & M., vol. 20, p. 435. ½ column.

Determination of Ash in Coal. E. & M. J., vol. 78, p. 507. ¾ column.

A Contribution to the Chemistry of Coal, with Special Reference to the Coals of the Clyde Basin. By W. C. Anderson. T. I. M. E., vol. 16, p. 335. 24 pages. I.

Coal Analysis. Sch. Mines Quart., vol. 25, p. 46. 5 pages.

Determination of Moisture in Coal. By C. H. Jenkins. M. & M., vol. 26, p. 161. 1 column.

Analysis of the Coals of India. By W. Soise. Coll. Guard., Sept. 9, 1904. 1 column.
Min. Mag., Jan., 1905, p. 76.

Methods of Determining Copper

A New Volumetric Method for Copper and the Ores of Copper. By A. Adair. P. C. & M. & M. Soc. S. A., vol. 6, p. 188. 4 columns.

Influence of Iron in Copper Electrolysis. By E. L. Larison. E. & M. J., vol. 84, p. 442. 3¼ columns.

Volumetric Method for the Determination of Copper. By R. K. Meade. Min. & Sci. Press, vol. 81, p. 344. 1¾ columns.

The Analysis of Refined Copper. E. & M. J., vol. 61, p. 157. 1 column.

Determination of Copper. E. & M. J., vol. 79, p. 1053. 1½ columns.

Estimation of Copper by Potassic Acid. By W. F. Brugman. E. & M. J., vol. 47, p. 459. 1½ columns.

Determination and Detection of Copper. By M. Haupt. E. & M. J., vol. 58, p. 511. 1¼ columns.

New Volumetric Method for the Estimation of Copper. By M. F. W. Weil. E. & M. J., vol. 11, p. 163. 2 columns.

The Chemistry and Metallurgy of Copper. By C. S. Palmer. E. & M. J., vol. 78, p. 622, 7 columns; p. 709, 4½ columns; p. 908, 4 columns.

The Iodometric Determination of Copper. By A. M. Fairlie. E. & M. J., vol. 78, p. 787, 3 columns; p. 1023, 2 columns.

The Electrolytic Determination of Copper, and the Formation and Composition of So-called Allotropic Copper. By J. B. Mackintosh. T. A. I. M. E., vol. 10, p. 57.

The Iodometric Determination of Copper. By T. Brown, Jr. E. & M. J., vol. 79, p. 1102. 2¾ columns.

Determination of Copper in Ores. Sch. Mines Quart., vol. 25, p. 164. 12 pages.

A New Method for the Separation of Copper and Cadmium. By A. S. Cushman. E. & M. J., vol. 60, p. 5. 1½ columns.

The Copper Assay by the Iodide Method. By A. H. Low. E. & M. J., vol. 61, p. 446, 1½ columns; and p. 492, 1¼ columns.

A Technical Scheme for the Rapid Determination of Small Amounts of Copper in Chilled Slags. By C. F. Lelby. E. & M. J., vol. 69, p. 708. ⅔ column.

Comparison of Various Methods of Copper Analysis. By W. E. C. Eustis. T. A. I. M. E., vol. 11, p. 120.

The Chemistry and Metallurgy of Copper. By C. S. Palmer. E. & M. J., Mar. 2, 1905, p. 420. 7 columns.

The Determination of Copper in Steel. By M. Troilius. T. A. I. M. E., vol. 11, p. 292.

Methods of Determining Iron

A Rapid Method for the Reduction of Ferric Sulphate in Volumetric Analysis. By C. Jones. T. A. I. M. E., vol. 17, p. 411 and p. 757.

Notes on Iron Ore Analysis. By C. T. Mixer. P. E. Soc. W. Pa., vol. 12, p. 100. 6 pages.

Standard Methods for the Analysis of Iron and Steel. By C. B. Dudley. P. E. Soc. W. Pa., vol. 9, p. 282. 34 pages.

The Evolution of the Determination of Iron in Ores. By H. W. Craver. P. E. Soc. W. Pa., vol. 19, p. 253. 8½ pages.

Determination of Carbon in Steel by Direct Ignition with Red Lead. By C. M. Johnson. P. E. Soc. W. Pa., vol. 21, p. 586. 15 pages. I.

The Complete Analysis of Chrome Ore. P. E. Soc. W. Pa., vol. 13, p. 180. 2½ pages.

The Analysis of Chrome and Tungsten Steels. By A. G. M'Kenna. P. E. Soc. W. Pa., vol. 16, p. 119. 4 pages.

Method of Determining Graphite in Pig Iron. By A. B. Harrison. P. E. Soc. W. Pa., vol. 16, p. 117. 1 page.

Bichromate Titration for Iron. E. & M. J., vol. 83, p. 667. ½ column.

Some Aspects of the Analyzing and Grading of Iron Ores of the Gogebic Range. By E. A. Separk. T. L. S. M. I., vol. 10, p. 103. 24 pages.

A Short Method (Analysis) for Iron. By E. B. Van Osdel. Min. & Sci. Press, vol. 93, p. 721. ⅞ column.

Analysis of Iron Ores of Sweden. E. & M. J., vol. 24, p. 168. Table.

Determination of "Total Carbon" in Steel and Pig-Iron. By H. F. Starr. Sch. Mines Quart., vol. 3, p. 290. 2 pages.
E. & M. J., vol. 51, p. 399. 2½ columns.

Method of Determining Chromium in Chrome Ore. By E. Clark. E. & M. J., vol. 59, p. 390. 1 column.

Determination of Tungsten. By F. Cremer. E. & M. J., vol. 59, p. 345. ¾ column.

The Condition of Carbon in Steel. By F. A. Mathewman. E. & M. J., vol. 59, p. 80. 1 column.

Variations in Bilboa Iron Ore. E. & M. J., vol. 57, p. 439. 1 column.

Method for the Determination of Iron in Iron Ore. By Mixer and Dubois. E. & M. J., vol. 57, p. 342. ¾ column.

Analyses of Lake Superior Iron-Ores. By G. W. Goetz. T. A. I. M. E., vol. 19, p. 59.

Analysis of Iron Ore. Sch. Mines Quart., vol. 25, p. 119. 10 pages.

Pig Iron and Steel Analysis. Sch. Mines Quart., vol. 25, p. 128. 10 pages.

Moisture in Lake Superior Iron Ores. By N. P. Hulst. T. L. S. M. I., vol. 8, p. 21. 12 pages. I.

Analysis of Chromite. By E. Wallis and H. T. Vulte. Sch. Mines Quart., vol. 13, p. 225. 6 pages.

Analytical Methods for Iron. By W. A. Siebenthal. E. & M. J., vol. 80, p. 918. 2 columns.

Rapid Determination of Silicon in Steel. E. & M. J., vol. 80, p. 1081. ½ column.

The Estimation of Pyrrhotite in Pyrites Ores. By E. F. Cone. E. & M. J., vol. 61, pp. 325, 349. ½ column.

Formulas for Determining the Value of Iron Ores. By G. Teischgraber. E. & M. J., vol. 62, p. 345. 1¾ columns.

A New Method of Determining Carbon in Iron. By E. Volmer. E. & M. J., vol. 62, p. 173. ½ column.

A Rapid and Practical Method for Determining Carbon in Iron. By J. G. Heid. E. & M. J., vol. 63, p. 64. ¼ column.

The Occurrence, Origin and Chemical Composition of Chromite. By J. H. Pratt. E. & M. J., vol. 66, p. 690. ¾ column.

Quantitative Determination of Tungsten in Ores. By O. P. Fritche. E. & M. J., vol. 71, p. 720. ½ column.

The Calorimetric Determination of Combined Carbon in Steel. By A. E. Hunt. T. A. I. M. E., vol. 12, p. 303.

On the Solution of Pig Iron and Steel for the Determination of Phosphorus. By N. H. Muhlenberg. T. A. I. M. E., vol. 10, p. 85.

Chemical Methods for Analyzing Rail-Steel. By M. Troilius. T. A. I. M. E., vol. 10, p. 162.

Cargo Sampling and Analysis of Iron Ores. By W. J. Rattle & Son. E. & M. J., vol. 80, p. 824. 3 columns.

Missing Ores of Iron. By P. Frazer. T. A. I. M. E., vol. 6, p. 531.

International Standards for the Analyses of Iron and Steel: Notes on the Work of the American Committee. By J. W. Langley. T. A. I. M. E., vol. 19, p. 614.

Boric Acid in Lake Superior Iron Ores. By T. Egleston. T. A. I. M. E., vol. 5, p. 131.

The Determination of Carbon by Magnetic Tests. By C. M. Ryder. T. A. I. M. E., vol. 5, pp. 381, 386.

Determination of Carbon in Iron and Steel. By A. S. McCreath. T. A. I. M. E., vol. 5, p. 575.

The Determination of Iron in the Tails from Magnetic Concentration. By E. K. Landis. T. A. I. M. E., vol. 20, p. 609.

Analysis of Ferro-Tungsten. P. E. Soc. W. Pa., vol. 14, p. 171. 4 pages.

COMPRESSED AIR IN MINING

Literature of Compressed Air. Sch. Mines Quart., vol. 18, p. 347.

Air-Compressor for the Harpener Mining Company. Engineering, London, vol. 74, p. 776. 1 column. I.

Air Compressors at the Champion and Mohawk Copper Mines. E. & M. J., vol. 81, p. 417. 4 columns. I.

A High Duty Air Compressor at the Champion Mine. By O. P. Hood. T. L. S. M. I., vol. 12, p. 164. 13 pages. I.

The Two-Stage Air-Compressor Plant at Teversal Collieries. By J. Piggford. T. I. M. E., vol. 30, p. 526. 12 pages.

The Air Compressor Plant at the Nottingham Colliery, Pennsylvania. E. & M. J., vol. 57, p. 125. 2¼ columns. I.

The Use of Compressed Air. By C. A. Bennett. E. & M. J., vol. 59, p. 100. 2½ columns. I.

Compressed Air as Used in Mining. By C. C. Hansen. E. & M. J., vol. 59, p. 220. 1¼ columns.

Air Power in the Quarry. By L. I. Wightman. E. & M. J., vol. 79, p. 845. 3½ columns.

Underground Compressed-Air Mine Plant: Application to Rock Drills. By Robt. Peele. M. & M., Mar., 1902, p. 344.

Arrangement of Pipe for Compressed Air in Quarry Work. M. & M., Aug., 1904, p. 19. I.

Compressed Air in Quarrying: Economies obtained by Substituting Air for Steam Power in the No. 6 Cañon Quarry of the Cleveland Stone Company. M. & M., Aug., 1904, p. 17. 5 columns. I.

Use of Compressed Air in Michigan Mines. Sch. Mines Quart., vol. 20, p. 157. 2 pages.

Pressure of Air in Air-Motors. E. & M. J., vol. 80, p. 308. Note.

The Air-Power Plant of the Modern Mine. By L. I. Wightman. Min. Mag., vol. 12, p. 357. 20 columns. I.

Economy in Operation of Coal Mine Power Plants: Advantages of Corliss Engine over Other Types of Slow-speed Engines for Air Compressors. By F. C. Weber. M. & M., May, 1905, p. 480. 2¼ columns.

The Distribution of Power in Mines: The Principles Relating to the Losses and Economies in Its Transmission and Use. By S. F. Walker. M. & M., Mar., 1902, p. 363. 2½ columns.

Saving by Introducing Central Compressed-Air Plant. M. & M., Nov., 1904, p. 161.

Compressed Air for Mine Use. P. C. M., vol. 4, p. 383. 18 pages. I.

Compressed Air in Mining. By J. H. Hart. E. & M. J., vol. 83, p. 855. 2⅞ columns. I.

Compressed Air and Its Distribution in the Hematite Mines of New York. E. & M. J., vol. 82, p. 554. ½ column.

Air Compressors at the Champion Copper Mine, Michigan. Min. & Sci. Press, vol. 92, p. 72. ¾ column.

Uses of Compressed Air in Coal Mines. By J. L. Dixon. M. & M., vol. 27, p. 82. 5½ columns. I.

Compressed Air Mining. By T. W. Barber. Min. & Sci. Press, vol. 84, p. 285. 2½ columns.

The Use of Compressed Air for Mining Purposes. Min. & Sci. Press, vol. 74, p. 412, 3 columns; p. 436, 1½ columns; p. 456, 2⅓ columns; p. 478, 1 column; p. 501, 1½ columns; p. 520, 3⅓ columns; and p. 549, 2 columns.

Splitting Granite by Compressed Air. E. & M. J., vol. 81, p. 948, 3½ columns. I.

South African Mining: Extent to which Compressed Air is Used, Types of Compressors. By F. E. Norton. M. & M., vol. 25, p. 589. 3½ columns.

The Center Star Mine, British Columbia: The Air-Compressor Plant and Air Driven Rock Drills, Location of Holes in Blasting. M. & M., vol. 25, p. 548. 1 column. I.

The Use of Compressed Air in Mines: Its Advanages as Compared with Steam and Electricity under various Circumstances and Situations. By R. Peele. M. & M., vol. 19, p. 365, 2 columns; p. 519, 3½ columns, I.; vol. 20, p. 42, 4 columns, I.; p. 125, 3 columns; p. 281, 3½ columns; and p. 324, 1½ columns.

Air Power in the Quarry. By L. I. Wightman. E. & M. J., vol. 79, p. 990. 4½ columns.

Compressed Air at Sidney Mines, Cape Breton. By R. H. Brown. T. F. C. M. I., vol. 1, p. 53. 4 pages.

Underground Compressed-Air Mine Plant: The Application of Compressed Air to Rock Drills, Pumps, Hoisting Engines and Coal Cutters. By Robt. Peele. M. & M., Mar., 1902, p. 344. 5½ columns.

The Air-Compressing Plant at the Velardena Mines in Durango, Mexico. E. & M. J., vol. 71, p. 245. 1⅞ columns. I.

Compressed Air and Defective Installation of Air Plants. By Wm. Wilhelm. M. & M., vol. 26, p. 65. 1½ columns.

Air Required to Operate Rock Drills. By F. M. Hitchcock. M. & M., May, 1905, p. 487. 1⅓ columns.

Air Consumption of Drills. By R. R. Seeber. E. & M. J., vol. 79, p. 937. 2 columns. Tables.

Compressed Air Coal Cutters: A Description of the New Ingersoll Type of Puncher, also of the New Radial Cutter. By L. T. Wightman. M. & M., May, 1905, p. 492. 4½ columns. I.

Air Required for Pick Machines. M. & M., May, 1905, p. 487. ⅛ column.

Compressed-Air Coal-Cutters. T. I. M. E., vol. 31, p. 413. 2 pages.

Electrically-Driven Air-Compressors Combined with the Working of Ingersoll-Sergeant Heading-Machines, and the Subsequent Working of the Busty Seam at Ouston Colliery, England. By A. Thompson. T. I. M. E., vol. 31, p. 356. 22 pages. I.

Air Compressors, Types, Operation, etc.

Classification of Air Compressors: By Characteristics Purely as Engines — By Mode of Dealing with Heat Produced — By Types of Valves and Valve Motions. By R. Peele. M. & M., May, 1905, p. 478. 4 columns.

Selection of Proper Air Compressor. By J. D. Cone. M. & M., vol. 27, p. 101. 6½ columns. I.

Selection of Proper Air Compressor. By F. Richards. M. & M., vol. 27, p. 217. 2 columns. I.

Electrically Driven Air Compressors for Metal Mining Purposes. By L. I. Wightman. Compressed Air, Aug., 1904. 6 columns. Min. Mag., Dec., 1904, p. 400.

A Special Water-Driven Air Compressor. E. & M. J., vol. 59, p. 345. 1 column. I.

The D'Auria Air-Compressor. By H. G. Morris. T. A. I. M. E., vol. 31, p. 112. I.

A New Air-Compressor. By E. G. Spilsbury. T. A. I. M. E., vol. 8, p. 269.

Compound or Two-Stage Air Compression. By R. Peele. M. & M., vol. 20, p. 281. 3 columns. I.

Air Compression at High Altitudes. M. & M., vol. 20, p. 324. 1¼ columns.

Direct-Driven Air-Compressors. E. & M. J., vol. 79, p. 779. 3¼ columns. I.

The Motor-Driven Air Compressors. By R. B. Matthews. M. & M., May, 1905, p. 502. 1½ columns. I.

The High-Speed Compressor: Its Advantages for Certain Work — Examples of Compressors Direct Driven by Electric Motors, Gas Engines and Steam. By J. D. Cone. M. & M., May, 1905, p. 488. 7½ columns. I.

Vertical Air Compressors: Examples of Recent English Practice — Enclosed and Open Two-Stage Compound Compressors. M. & M., May, 1905, p. 477. 2 columns. I.

Portable Mining Compressor for Operating Punchers. M. & M., May, 1905, p. 474. 1 column. I.

Compressed Air on the Pacific Coast: Compressors Driven by Direct-Connected Water Wheels — Various Methods of Using and Reheating Air. By E. A. Rix. M. & M., May, 1905, p. 466. 16 columns. I.

A Novel Air Compressor: Employing a Device for Equalizing the Power of Stroke. E. & M. J., vol. 60, p. 5. 1 column. I.

King-Riedler Type Air Compressor. Engineering, vol. 74, pp. 642 and 651, London. 3½ columns. I.

Notes on Air Compressors. By Robt. Peele. Sch. Mines Quart., vol. 18, p. 196, 30 pages, I.; and p. 307, 36 pages, I.

Franklin Air Compressor. E. & M. J., vol. 73, p. 630. 1 column. I.

Suggestions for Running Air Compressors: Method of Setting and Leveling ; Measuring and Adjusting Clearance, Bearings, Hot Boxes, etc. By M. W. Sherwood. M. & M., vol. 25, p. 602. 2⅓ columns.

A New Type of Air Compressor. By W. H. Booth. M. & M., vol. 24, p. 157. 4 columns. I.

Rand and Waring Air Compressor (Oscillating Cylinders). E. & M. J., vol. 15, p. 88, 2 columns, I.; and p. 91, ½ column.

The Waring Air Compressor. E. & M. J., vol. 14, p. 273. 3 columns. I.

Spiral Air Compressor. Min. & Sci. Press, vol. 30, p. 361. 1 column. I.

Work of the Burleigh Air Compressor. Min. & Sci. Press, vol. 37, p. 134. 1¾ columns. I.

The Franklin Air Compressor. E. & M. J., vol. 83, p. 1049. 3⅓ columns. I.

A New Air Compressor (Sullivan Machinery Company). E. & M. J., vol. 82, p. 499. 2 columns. I.

A New Development in Air Compressors. By F. A. Halsey. E. & M. J., vol. 84, p. 397. 11 columns. I.

Electrically Driven Air Compressors. By A. F. Bushell. E. & M. J., vol. 84, p. 823. 4 columns. I.

The Köster Air Compressor. Engineering, vol. 78, p. 606, London. ¾ column. I.

Portable Electric Air Compressors. By F. C. Perkins. M. & M., vol. 27, p. 447. 3 columns. I.

The Reavell Air-Compressor at Work. By W. P. Abell. T. I. M. E., vol. 30, p. 582. 9 pages. D.

Compression of Air, Theory, etc.

Compressed Air vs. Electricity. By E. F. Schaefer. M. & M., vol. 26, p. 425. 2½ columns.

The Relative Efficiency of Electricity and Compressed Air in Mining. By D. J. Lloyd. Coll. Engr., vol. 13, p. 99. 2⅔ columns.

LIQUID AIR, ITS COMMERCIAL POSSIBILITIES: Power Storage, Refrigeration, etc. M. & M., vol. 26, p. 105. 3 columns.

ADVANTAGES OF COMPRESSED AIR. By J. F. Lewis. T. F. C. M. I., vol. 2, p. 211. 21 pages. I.

THE MECHANICAL TRANSPORT OF AIR. M. & M., vol. 26, p. 93. 1 column. I.

COMPRESSED AIR. By W. L. Saunders. J. C. M. I., vol. 5, p. 156. 7 pages.

COMPRESSED AIR VS. ELECTRICITY. M. & M., vol. 25, pp. 543, 544.

STAGE COMPRESSOR, IN BOHEMIA: Capacity of 2,200 Cubic Feet Free Air per Minute. M. & M., vol. 26, p. 82. 2 columns. I.

USEFUL COMPRESSED-AIR FORMULÆ. By W. L. Saunders. E. & M. J., vol. 52, p. 48. 1½ columns.

POWER FOR COAL MINING MACHINERY: Compressed Air *vs.* Electricity. M. & M., vol. 25, p. 541. 6½ columns. I.

ELECTRICAL COMPRESSION OF AIR FOR MINING PURPOSES: Driving by Belts, Ropes, Gears, Silent Chains and Direct Connections. Sizes of Units. By L. I. Wightman. M. & M., May, 1905, p. 518. 12 columns. I.

ECONOMY IN AIR COMPRESSION. By F. Richards. E. & M. J., vol. 59, p. 269. 2 columns. I.

COMPRESSED AIR: Its Production, Transmission and Application. By L. I. Wightman. P. E. Soc. W. Pa., vol. 22, p. 197. 42½ pages.

COMPRESSED AIR FOR MINING FROM ELECTRIC POWER. Min. & Sci. Press, vol. 84, p. 231. 2½ columns. I.

COMPRESSED AIR IN ENGLISH MINES: Arrangements which Resulted in Losses, and the Methods of Overcoming Them. By S. F. Walker. M. & M., Nov., 1902, p. 178. 3 columns.

EXPERIENCE WITH AIR COMPRESSING AT DRUMMOND COLLIERY, NOVA SCOTIA. By C. Fergie. T. F. C. M. I., vol. 1, p. 58. 4 pages.

BANNISTER AIR-REHEATER. T. I. M. E., vol. 32, p. 337. 1 page. I.

ECONOMY DERIVED FROM REHEATING COMPRESSED AIR. E. & M. J., vol. 74, p. 549. 5 columns. D.

REHEATERS AND REHEATING: Advantages Gained by Reheating and a Description of the Different Types of Reheaters. M. & M., May, 1905, p. 495. 4½ columns. I.

NOTE ON THE ADIABATIC VOLUME-CHANGE ON MIXING TWO GASES. By A. J. Lotka. E. & M. J., vol. 83, p. 956. 3 columns.

TESTS OF SMALL COMPRESSORS. By Max Kurth. M. & M., vol. 26, p. 320. 8 columns. I.

GRAPHICS OF BOYLE'S LAW. By E. F. Schaeffer. M. & M., vol. 26, p. 44. 3 columns. D.

TEST ON A TWO STAGE COMPRESSOR. By J. Preston. J. C. M. I., vol. 2, p. 130. 7 pages. I.

THE FLOW OF GAS OR STEAM THROUGH PIPES. By A. J. Martin. Engineering, vol. 63, p. 361, London. 10 columns. I.

EFFICIENCY TEST OF A NORDBERG AIR COMPRESSOR AT THE BURRA BURRA MINE OF THE TENNESSEE COPPER COMPANY. By J. P. Channing. T. L. S. M. I., vol. 8, p. 82, 8 pages, I.; and M. & M., May, 1905, p. 475, 4 columns, I.

COMPRESSED AIR IN MINE OPERATIONS. By L. I. Wightman. Min. Mag., Oct.-Nov., 1904, p. 276. 15 columns. I.

FLOW OF AIR IN PIPES AND THE TRANSMISSION OF POWER: Flow Through Orifices. M. & M., vol. 25, p. 616. 2½ columns.

AIR COMPRESSION IN GREAT BRITAIN. M. & M., vol. 25, p. 566. 7¼ columns. I.

COMPRESSED OXYGEN. By R. H. Smith. T. F. I. M. E., vol. 4, p. 506. 3 pages.

LIQUID AIR, ITS PRODUCTION AND PROPERTIES. By S. A. Tucker. Sch. Mines Quart., vol. 19, p. 344. 13 pages. I.

Air Compression: The Structure and Mode of Action of the Five Classes Commonly Used. By R. Peele. M. & M., vol. 19, p. 429. 4 columns. I.

Compression of Air and Volumetric Efficiency: Theoretical Data and Their Application to Practical Problems of Compressed Air Machinery. By E. A. Rix. M. & M., May, 1905, p. 482. 8½ columns. I.

Air Compression at Altitude: Increase of Power Required at Altitude to compress a Volume of Air Equivalent in Effect to a Given Volume at Sea Level. By F. M. Hitchcock. M. & M., May, 1905, p. 505. 2½ columns.

Compound Air Compression: Temperatures Attained; Effects of Cooling; Power Consumed Saved by Compound Compared with Simple Compression. By F. M. Hitchcock. M. & M., May, 1905, p. 515. 4½ columns. I.

The Compression of Air. By B. W. Frazier. T. A. I. M. E., vol. 2, p. 43.

On the Compression of Gases. By C. F. Brush. T. A. I. M. E., vol. 4, p. 116.

The Liquefaction of Gases. By C. Olszewski. E. & M. J., vol. 59, p. 318. 6⅔ columns. I.

What Is an Atmosphere? M. & M., Mar., 1903, p. 362. 2 columns.

The Freezing of Moisture Deposited from Compressed Air. By Robt. Peele. M. & M., Apr., 1902, p. 411. 2 columns.

Use of Steam and Compressed Air Together. E. & M. J., vol. 55, p. 147. ½ column.

Transmission of Power by Compressed Air

Transmission of Power by Compressed Air. By R. Hirsch. P. E. Soc. W. Pa., vol. 13, p. 183. 14⅓ pages. I.

The Compressed Air Power System. By J. Sturgeon. T. N. S. I. M. & M. E., vol. 9, p. 45, 18 pages, I., and Discussion, vol. 9, p. 327, 14 pages, I.

The "Double-Pipe" Compressed Air System. Min. & Sci. Press, vol. 80, p. 41. Note.

The Transmission of Power to Great Distances by Compressed Air. By W. C. Unwin. Coll. Engr., vol. 9, p. 75. 1 column.

Transmission of Power by Compressed Air at the North Star Mine, California. By P. R. Robert. T. I. M. & M., vol. 4, p. 216.

The "Dense Air" System of Power Transmission in Deep Mines. By D. A. McNeill. E. & M. J., vol. 74, p. 855. 2 columns. I.

The Transmission of Power by Compressed Air. By Goodman. T. F. I. M. E., vol. 7, p. 234. 18 pages. I.

Efficiency of Compressed Air Transmission. T. F. I. M. E., vol. 7, p. 248. Tables.

Hydraulic Air Compression and Compressors

Utilizing Water Power for Direct Air Compression. Dy W. O. Webber. E. & M. J., vol. 71, p. 533. 2½ columns.

The Hydraulic Compressed-Air Power Plant at the Victoria Mine, Michigan. By D. E. Woodbridge. E. & M. J., vol. 83, p. 125. 9 columns. I.

Hydraulic Air-Compression at the Victoria Mine. By C. H. Taylor. Min. & Sci. Press, vol. 93, p. 205. 5 columns. I.

A Simple Air Compressor — Hydraulic. Min. & Sci. Press, vol. 76, p. 665. 2⅓ columns. I.

A Taylor System Air Compressor at Victoria Copper Mine, Michigan. By A. H. Rose. M. & M., vol. 27, p. 346. 6 columns. I.

COMPRESSING AIR (by Water). Am. Jour. Min., vol. 3, p. 21. 1 column.

A DESCRIPTION OF THE 150-HORSE-POWER HYDRAULIC AIR COMPRESSOR ERECTED FOR THE DOMINION COTTON MILLS, AT MAGOG, QUEBEC. — TAYLOR COMPRESSOR. By C. H. Taylor. T. F. C. M. I., vol. 2, p. 232. 11 pages. I.

AIR COMPRESSION BY WATER POWER: The Installation at the Belmont Gold Mine. By D. G. Kerr. J. C. M. I., vol. 6, p. 233. 12 pages. I.

A SIMPLE HYDRAULIC AIR-COMPRESSOR. By E. Ferraris. E. & M. J., vol. 72, p. 35. 2 columns. I.

AIR-COMPRESSION BY WATER-POWER: The Installation at the Belmont Gold Mine. By D. G. Kerr. T. I. M. E., vol. 25, p. 206. 4 pages.

THE TAYLOR HYDRAULIC AIR COMPRESSOR. Engineering, vol. 65, p. 562, London. 2 columns. I.

DUNN'S HYDRAULIC AIR COMPRESSOR. E. & M. J., vol. 68, p. 281. 2 columns. I.

THE TAYLOR HYDRAULIC AIR COMPRESSOR. By W. O. Weber. M. & M., May, 1905, p. 517. 1½ columns.

THE TAYLOR AIR COMPRESSOR. M. & M., June, 1903, p. 502. 1 column.
E. & M. J., Dec. 26, 1896, p. 606. 2 columns. I.

Compressed Air Haulage

COMPRESSED AIR LOCOMOTIVES. Min. & Sci. Press, vol. 71, p. 249. 1 column. I.

COMPRESSED AIR AS A MOTIVE POWER: Interesting Experiments at Mr. Adamson's Works. T. N. S. I. M. & M. E., vol. 5, p. 154. 5 pages.

CAR PROPULSION BY PNEUMATIC POWER. By J. A. Whitney. E. & M. J., vol. 13, p. 58, 2½ columns; p. 90, 1¼ columns; and p. 98, 3¼ columns.

COMPRESSED AIR COAL MINE LOCOMOTIVE. E. & M. J., vol. 60, p. 127. 1½ columns. I.

FIRST CONCEPTION OF COMPRESSED AIR LOCOMOTIVE. E. & M. J., vol. 78, p. 620.

COMPRESSED AIR LOCOMOTIVES: Some of the Reasons why they are often Preferred in Mines. Principles Governing their Construction. By H. K. Myers. M. & M., vol. 21, p. 188. 4 columns. I.

PRESSURES EMPLOYED IN ORDINARY PRACTICE AND STREET CAR AND TORPEDO PRACTICE. E. & M. J., vol. 80, p. 356. Note.

PNEUMATIC AND ELECTRIC LOCOMOTIVES IN AND ABOUT COAL-MINES. By A. S. E. Ackermann. T. I. M. E., vol. 25, p. 529. 19 pages. I.

COMPRESSED AIR HAULAGE: Description of the Plant at the Susquehanna Coal Company's No. 6 Colliery. Coll. Engr. & Met. Miner, vol. 16, p. 228. 6 columns. I.

COMPRESSED-AIR HAULAGE: A Comparison of the Several Forms of Motor Haulage. The Particular Advantages of Compressed Air for Mine Work. By Robt. Peele. M. & M., July, 1902, p. 562. 5½ columns.

COMPRESSED AIR HAULAGE. By T. D. Jones. M. & M., vol. 18, p. 538. 3 columns. I.

AIR CONNECTION FOR CHARGING LOCOMOTIVES. By Robt. Peele. M. & M., July, 1902, p. 562.

A COMPRESSED AIR MINING LOCOMOTIVE (for Japan). E. & M. J., vol. 67, p. 623. ½ column. I.

COMPRESSED AIR HAULAGE IN AN IRON MINE. E. & M. J., vol. 68, p. 517. ¾ column. I.

COMPRESSED-AIR VS. HORSE-TRACTION. T. A. I. M. E., vol. 19, p. 564.

LATEST DEVELOPMENTS IN COMPRESSED AIR MOTORS FOR TRAMWAYS. By D. S. Jacobus. T. A. I. M. E., vol. 19, p. 553.

COMPRESSED-AIR MOTORS FOR GATHERING CARS IN COAL MINES: Cost of Operating as Compared with Mule Haulage. By B. S. Randolph. M. & M., Sept., 1903, p. 77. 4 columns. I.

Notes on the Compressed-Air Haulage-Plant at No. 6 Colliery of the Susquehanna Coal Company, Glen Lyon, Pa. By J. H. Bowden. T. A. I. M. E., vol. 30, p. 566.

Compressed-Air Mine Haulage. M. & M., Oct., 1901, p. 119.

Compressed-Air Motors for Gathering Cars in Coal-Mines. By B. S. Randolph. T. A. I. M. E., vol. 34, p. 144.

Compressed Air Traction Plant, Red Point Mine, Placer County, California. Min. & Sci. Press, vol. 83, p. 87. 2 columns. I.

Compressed Air Pumping

Compressed Air for Operating Pumps: Systems. Min. & Sci. Press, vol. 84, p. 64. 1½ columns.

Compressed Air for Pumping Plants: Quantity of Air Necessary. Min. & Sci. Press, vol. 84, p. 323. Table. ⅔ column.

Pumping with Compressed Air. M. & M., vol. 21, p. 266. ½ column.

Gruber's Apparatus for Raising Water by Pneumatic Pressure. E. & M. J., vol. 6, p. 161. 1½ columns. I.

The Raising of Water by Compressed Air. By P. Griffith. Engineering, vol. 76, p. 33, London, 1¾ columns; p. 675 (W. H. Maxwell), 7¾ columns, I.; p. 809, 1 column; vol. 77, p. 25, ¼ column; p. 58, 1½ columns; p. 135, ½ column; p. 192, ½ column; p. 223, ½ column; p. 266, ⅔ column; p. 502, ¾ column.

Pumping with Compressed Air. By H. S. Poole. T. F. C. M. I., vol. 1, p. 56. 1½ pages.

The Harris System of Pumping by Compressed Air, as Applied at the Deloro Mine. By J. P. Kirkgaard. J. C. M. I., vol. 5, p. 265. 9 pages. I.

The Harris System of Pumping with Compressed Air: Description of Apparatus and Principles Governing its Operation and Adaptation. By E. G. Harris. M. & M., May, 1905, p. 513. 3½ columns. I.

Compressed Air Pumping. E. & M. J., vol. 67, p. 267. 1¾ columns. I.

Compressed Air for Pumping. E. & M. J., Apr. 6, 1895, p. 314. 2 columns.

Natural Gas Pumping Plant at Hundred, West Virginia, by which Gas from Wells is Transmitted 90 Miles. By F. C. Weber. M. & M., vol. 25, p. 582. I.

See Compressed Air Pumping under Drainage.

Blowing Engines

The Nordberg Piston Blowing Engine. By F. A. Halsey. E. & M. J., vol. 83, p. 568. 13 columns. I.

A Blowing Engine Driven by Blast Furnace Gases. E. & M. J., vol. 73, p. 894. 3 columns. I.

See Gas and Oil Engines under Power.

Compressed Air Receivers, Regulators, Intercoolers, etc.

Regulators and Unloading Devices. M. & M., May, 1905, p. 504. 2 columns. I.

The Hurricane Valve for Piston-Inlet Air Compressors. By F. Richards. E. & M. J., vol. 83, p. 382. 2¾ columns. I.

Valves for Air-Compressors. M. & M., Mar., 1904, p. 395.

The Use of Coolers in Air Compression. By F. Richards. E. & M. J., vol. 83, p. 1039. 2¾ columns.

A Vertical Intercooler for Air Compression. E. & M. J., vol. 83, p. 280. 1 column. I.

The Allis-Chalmers Intercooler for Air Compressors. E. & M. J., vol. 82, p. 969. 1 column. I.

Metering Compressed Air and Amount of Air Required to Run Drills at Various Altitudes, etc. M. & M., vol. 26, p. 10. 3 columns. I.

A Steam and Compressed-Air Meter. E. & M. J., vol. 80, p. 265. 2 columns. I.

An Air Filter for Air Compressor. By H. W. Kingsbury. M. & M., vol. 28, p. 285. 1 column. I.

Receivers, Their Use and Capacity Necessary in Order to Aid the Efficiency of a Plant. M. & M., May, 1905, p. 507. 3⅓ columns. I.

Mine Signalling by Compressed Air. By B. MacDonald and Wm. Thompson. J. C. M. I., vol. 6, p. 161. 8 pages. I.

Explosions in Air Compressors, Diseases, etc.

Notes on Accidents Due to Combustion within Air-Compressors. E. & M. J., vol. 75, p. 554. 1 column.

Accidents Due to Combustion in Air Compressors. T. A. I. M. E., vol. 34, pp. 158 and 950.

Explosions in Air-Compressors and Receivers. By T. G. Lees. T. F. I. M. E., vol. 14, p. 554. 20 pages. I.

Explosion of Air Locomotive. M. & M., vol. 27, p. 552. 5½ columns. I.

Air Compressor Explosions. M. & M., vol. 24, p. 220. Table.

Heat of Compression in Air Cylinders and the Relation to Explosions: Effects of Leaks in Cylinders on Temperatures. By E. Hill. M. & M., vol. 26, p. 16. 2 columns.

Causes of Explosions in Air Compressors. By E. Goffe. E. & M. J., vol. 77, p. 686. 4¼ columns. D.

A New Theory of the Disease Due to Compressed Air. By E. W. Moir. E. & M. J., vol. 52, p. 73. 1½ columns. I.

Physical Suffering from the Effects of Compressed Air. By W. L. Saunders. E. & M. J., vol. 52, p. 119, 2½ columns; and p. 186, ½ column.

Ignitions and Explosions in Pipes and Receivers. M. & M., vol. 26, p. 56. 3¼ columns.

Notes on Accidents Due to Combustion within Air-Compressors. By A. R. Ledoux. E. & M. J., vol. 77, p. 995. 2 columns.

Liquid Air as an Explosive

Liquid Air and Its Use as an Explosive. By A. Larsen. T. I. M. E., vol. 19, p. 164. 6 pages.

Liquid Air as an Explosive. E. & M. J., vol. 65, p. 548; vol. 68, p. 514; and vol. 69, p. 170. 1 column.

Liquid Air Explosives. M. & M., vol. 26, p. 106.

See Use of Compressed Air in Blasting.

CLAYS AND THEIR USES

The Clays of Texas. By H. Ries. T. A. I. M. E., vol. 37, p. 520. 37 pages. I.

Clay Materials of the United States. By R. T. Hill. In Mineral Resources U. S. for 1891, pp. 474–528.

Clay Materials of the United States. By R. T. Hill. In Mineral Resources U. S. for 1892, pp. 712–738. 1893.

Technology of the Clay Industry. By H. Ries. In Sixteenth Ann. Rept. U. S. G. S., pt. 4, pp. 523–575. 1895.

The Pottery Industry of the United States. By H. Ries. In Seventeenth Ann. Rept. U. S. G. S., pt. 3, pp. 842–880. 1896.

The Clays of the United States East of the Mississippi River. By H. Ries. U. S. G. S., Prof. Paper No. 11. 1903.

Clays of the United States. By F. A. Wilber. In Mineral Resources U. S. for 1882, pp. 465–475. 1883.

Clays of the United States. By F. A. Wilber. In Mineral Resources U. S. for 1883–1884, pp. 676–711. 1885.

Fire Clays of the Coal Measures: A Short Discussion of Their Origin and the Causes of the Qualities which Render Them More or Less Refractory. By T. C. Hopkins. M. & M., Feb., 1902, p. 296. 2 columns.

Kaolin, or China Clay. By J. H. Collins. E. & M. J., vol. 79, p. 1079. 4½ columns.

Stoneware and Brick Clays of Western Tennessee and Northwestern Mississippi. By E. C. Eckel. In Bulletin No. 213, U. S. G. S., pp. 382–391. 1903.

Bibliography of Clays and the Ceramic Arts. By J. C. Branner. Bulletin No. 143, U. S. G. S. 114 pages. 1896.

The Glacial Brick Clays of Rhode Island and Southeastern Massachusetts. By N. S. Shaler, J. B. Woodworth, and C. F. Marbut. In Seventeenth Ann. Rept. U. S. G. S., pt. 1, pp. 957–1004. 1896.

The Clays Associated with Coal-Seams. M. & M., vol. 21, p. 331. 2 columns. I.

The Fire-Clays of Missouri. By H. A. Wheeler. T. A. I. M. E., vol. 35, p. 720. 14 pages.

Fireclays: What They Are, Where They are Found, and How to Test Them to Find Their Value. By T. C. Hopkins. M. & M., vol. 19, p. 53. 3⅔ columns. I.

Kaolin in Vermont. By J. N. Nevins. E. & M. J., vol. 64, p. 189. 1⅞ columns. I.

Bentonite (Clay). By W. C. Knight. E. & M. J., vol. 66, p. 491. 1¼ columns.

The Clays and Building Stones of Kentucky. By M. H. Crump. E. & M. J., vol. 66, p. 190. 2½ columns.

The Clays and Clay Industry of Massachusetts. By C. L. Whittle. E. & M. J., vol. 66, p. 245. 3 columns.

The Clay Resources of Alabama and the Industries Dependent upon Them. By E. A. Smith. E. & M. J., vol. 66, p. 369. 1⅞ columns.

Clay Resources of Missouri. By H. A. Wheeler. E. & M. J., vol. 66, p. 426. 3½ columns.

Clays of Louisiana. By W. W. Clendennin. E. & M. J., vol. 66, p. 456. 1 column.

The Clays and Clay-Working Industry of Colorado. By H. Ries. T. A. I. M. E., vol. 27, p. 336.

Notes on the Kaolin- and Clay-Deposits of North Carolina. By J. A. Holmes. T. A. I. M. E., vol. 25, p. 929.

Fire Clay: A Study of the Clays of Clinton County, Pa. What Constitutes Fire Clay. How it is Deposited. M. & M., Mar., 1904, p. 378. 2½ columns.

A Geological and Economic Survey of the Clay-Deposits of the Lower Hudson River Valley. By C. C. Jones. T. A. I. M. E., vol. 29, p. 40.

The Talc Industry of the Gouverneur District, St. Lawrence County, N. Y. By A. Sahlin. T. A. I. M. E., vol. 21, p. 583.

The Fire-Clays and Associated Plastic Clays, Kaolins, Feldspars, and Fire-Sands of New Jersey. By J. C Smock. T. A. I. M. E., vol. 6, p. 177.

Fire-Clay and Fire-Brick in Sweden. By N. Lilienberg. T. A. I. M. E., vol. 13, p. 320.

The Southern Soapstones, Kaolin, and Fire-Clays, and Their Uses. By P. H. Mell. T. A. I. M. E., vol. 10, p. 318.

Clay Washing. By F. Lehman. E. & M. J., vol. 67, p. 592. ⅔ column.

Properties of Clays and Methods of Testing

Does the Size of Particles Have any Influence in Determining the Resistance of Fire-Clays to Fluxes? By H. O. Hoffman. T. A. I. M. E., vol. 28, p. 440.

A Modification of Bischof's Method for Determining the Fusibility of Clays. By H. O. Hoffman. T. A. I. M. E., vol. 28, p. 435.

The Ultimate and the Rational Analysis of Clays and Their Relative Advantages. By H. Ries. T. A. I. M. E., vol. 28, p. 160.

Further Experiments for Determining the Fusibility of Fire-Clays. By H. O. Hoffman. T. A. I. M. E., vol. 25, p. 3.

Refractoriness of Some American Fire-Brick. By R. F. Weber. T. A. I. M. E., vol. 35, p. 637. 16 pages. I.

Determination of the Refractoriness of Fire-Clays. By H. O. Hoffman and C. D. Demond. E. & M. J., vol. 57, p. 367. 4 columns. I.

The Calculation of the Fusibility of Clays. By H. A. Wheeler. E. & M. J., vol. 57, pp. 224 and 244. 2¾ columns.

The Mining and Preparation of Kaolin. By T. C. Hopkins. E. & M. J., vol. 68, p. 245. 2 columns. I.

Effect of Fineness of Grain on the Fusibility of Clay. By H. Ries. T. A. I. M. E., vol. 34, pp. 205 and 956.

Some Experiments for Determining the Refractoriness of Fire-Clays. By H. O. Hoffman and C. D. Demond. T. A. I. M. E., vol. 24, pp. 42 and 846.

Brick and Clay-Products

Notes on the New Jersey Fire-Brick Industry. By H. Ries. T. A. I. M. E., vol. 34, p. 254.

The Manufacture of Fire-Brick at Mount Savage, Maryland. By R. A. Cook. T. A. I. M. E., vol. 14, p. 698.

The Manufacture of Fire-Clay Goods from the Under-Clays of Thin Coal-Seams. By P. Kirkup. T. I. M. E., vol. 15, p. 45. 22 pages. I.

Standardizing Size of Bricks. Engineering, London, vol. 71, p. 518, ⅓ column; and p. 583, ⅔ column.

The Clay-Working Industry of the Pacific Coast. By H. Ries. M. & M., vol. 20, p. 487. 2½ columns. I.

Tests and Theories in Their Relation to Specifications for Bricks. By J. A. Shin. P. E. Soc. W. Pa., vol. 22, p. 410. 19 pages.

Brick-Making. By G. L. Allen. T. I. M. E., vol. 27, p. 418. 26 pages. I.

Sand Lime Bricks. By H. Gerlings. P. C. M. & M. Soc. S. A., vol. 5, p. 124, 7 columns, I.; and p. 229, 6½ columns.

CONCENTRATION

Preparation of Coal

History of the Preparation of Anthracite. By H. H. Stoek. M. & M., vol. 26, p. 478. 2 columns.

Surface Arrangements: Preparation of Coal and Ore for Market. Coll. Engr., vol. 12, p. 188, 1⅓ columns; p. 211, 1⅔ columns, I.; p. 235, 2 columns, I.; p. 260, 1¼ columns, I.; p. 283, 1⅔ columns, I.; vol. 13, p. 18, 2 columns, I.; p. 42, 1 column, I.

Scheme of Anthracite Preparation. Min. & Sci. Press, vol. 64, p. 463. 4 columns. I.

System of Anthracite Coal Preparation. J. C. M. I., vol. 9, scheme opposite p. 264.

Flow-Sheet of Coal Preparation at Alden, Pa. E. & M. J., vol. 84, p. 1219. I.

The New Langerfeld Coal Separator. M. & M., vol. 20, p. 342. 13 columns.

The Preparation of Anthracite in the Schuylkill Region of Pennsylvania: The Methods and Machinery Employed at the Hammond Breaker. M. & M., Jan., 1905, p. 280. 10 columns.

The Preparation and Utilization of Small Sizes of Anthracite. T. A. I. M. E., vol. 20, p. 613.

The Preparation of Anthracite: Changes which Have Taken Place in the Practice During the Past 25 Years. M. & M., Mar., 1905, p. 382. 4¾ columns. I.

The Mechanical Preparation of Anthracite. By R. P. Rothwell. T. A. I. M. E., vol. 3, p. 134.

Theory of Concentration

Wet Concentration of Ores by the Sherman System. By F. W. Sherman. Min. & Sci. Press, vol. 88, p. 210. 5½ columns. I.

Concentration of Ores: In Great Britain — The General Practice and a Description of the Principal Features of a Number of the Most Modern Plants. By James Tong. M. & M., Dec., 1904, p. 261.

Concentration of Low-Grade Ores. By H. E. Armitage. T. A. I. M. E., vol. 18, p. 257.

Nature's Concentrators. By A. C. Lane. E. & M. J., vol. 63, p. 542. 2⅔ columns.

The Removal of Sand from Waste Water in Ore-Dressing Operations. E. & M. J., vol. 76, p. 997. 2½ columns.

Concentration: Results and Theory. By J. A. Church. E. & M. J., vol. 41, p. 75. ⅔ column.

A New Ore Testing Plant, Denver, Colo. E. & M. J., vol. 78, p. 672. 3 columns. I.

Separating and Concentrating Ores. Am. Jour. Min., vol. 4, p. 129. 1 column.

Mechanical Ore Concentration: Pneumatic or Hydraulic. By S. R. Krom. E. & M. J., vol. 35, p. 55, 2 columns; and p. 71, 3 columns.

Is Close Sizing Before Jigging Advantageous? E. & M. J., vol. 49, p. 357, 4½ columns; and p. 433, 1 column.

Continuous Jigging. E. & M. J., vol. 9, p. 377. 1 column.

Working Low Grade Ore: Concentration, Leaching, Sampling, etc. Min. & Sci. Press, vol. 34, p. 278. 2 columns.

Concentration and Treatment of Low Grade Ores. By E. B. Kirby. M. & M., vol. 19, p. 299. 7 columns.

The Present Aspect of Ore-Dressing in Europe. By W. B. Kunhardt. Sch. Mines Quart., vol. 5, p. 8, 28 pages, I.; p. 140, 14 pages; vol. 4, p. 178, 40 pages, I.; p. 298, 24 pages, I.

Ore-Concentration Plant at the St. Louis Exhibition. Engineering, vol. 78, p. 464. 4 columns. I.

Present Condition of the Mechanical Preparation of Ores in Saxony, Hartz and Rhenish Prussia. By M. M. Bellom. Sch. Mines Quart., vol. 15, p. 16, 16 pages, I.; p. 115, 24 pages, I.; vol. 14, p. 218, 20 pages, I.; p. 330, 18 pages, I.

The Progress in Ore-Dressing. By C. Blömeke. Sch. Mines Quart., vol. 21, p. 28, 20 pages; p. 137, 33 pages; p. 239, 22 pages. I.

Treatment of Grains and the Treatment of Sands, Saxony. Sch. Mines Quart., vol. 14, p. 337. 12 pages. I.

Principles of Coal Washing. M. & M., Aug., 1902, p. 36. 3½ columns.

The Factors in Concentration. By F. T. Snyder. J. C. M. I., vol. 3, p. 102. 7 pages. I.

Velocity of Bodies of Different Specific Gravity Falling in Water. By R. H. Richards. T. A. I. M. E., vol. 18, p. 644.

Sorting Before Sizing. By R. H. Richards. T. A. I. M. E., vol. 27, p. 76.

Concentrating: Tests and Calculations. By Otto F. Pfordte. T. A. I. M. E., vol. 31, p. 466, 1901.

Some Unsolved Questions of Ore Treatment: A Consideration of Some of the Mechanical and Other Imperfections in Milling Processes. By O. H. Howorth. M. & M., Mar., 1902, p. 347. 5 columns.

Investigations of Magnetic Fields, with Reference to Ore-Concentration. By W. R. Crane. T. A. I. M. E., vol. 31, p. 405, 1901. I.

On the Movement of Solid Bodies in Water. By H. S. Munroe. Sch. Mines Quart., vol. 9, p. 140. 4 pages.

A Contribution to the Theory of Jigging. By H. S. Munroe. Sch. Mines Quart., vol. 9, p. 278. 8 pages.

Coal Jig and Theory of Coal Jigging. M. & M., Apr., 1905, p. 451. I.

Solids Falling in a Medium. By F. M. F. Cazin. T. A. I. M. E., vol. 24, p. 80 and p. 339.

Theory of Jigging. By H. S. Munroe. T. A. I. M. E., vol. 17, p. 637.

The English vs. the Continental System of Jigging: Is Close Sizing Advantageous? By H. S. Munroe. T. A. I. M. E., vol. 17, p. 637.

The Action of Small Spheres of Solids in Ascending Currents of Fluids and in Fluids at Rest. By J. C. Bartlett. T. A. I. M. E., vol. 6, p. 415.

Theory of Concentration: Equal Falling Grains. Min. & Sci. Press, vol. 34, p. 284. ⅔ column.

The Theory of the Hendy Concentrator. Min. & Sci. Press, vol. 35, p. 268, 3 columns; p. 284, 4½ columns; p. 338, 1¾ columns; p. 370, 2½ columns.

Studies in Gold Milling. By J. A. Edman. Min. & Sci. Press, vol. 67, p. 100, 1¼ columns; p. 116, 2 columns; p. 213, 2½ columns; p. 261, 2½ columns; p. 277, 2½ columns; p. 342, ¾ column.

Determination of Table Concentration. By J. W. Shaw. E. & M. J., vol. 81, p. 1049. ⅞ column. I.

Contributions to the Theory of Ore Dressing. By Otto Witt. Min. Mag., vol. 13, p. 484. 10 columns. I.

Notes on Ore-Dressing. By A. W. Warwick. Min. & Sci. Press, vol. 80, p. 36, 2½ columns; p. 260, 2¾ columns, I.; p. 292, 2¾ columns.

On the Concentration of Ores by the Use of Water. By C. Taylor. Min. & Sci. Press, vol. 80, p. 92,1½ columns; and p. 124, ¾ column.

Comparison of Fire with Water for Concentration. By S. E. Bretherton. Min. & Sci. Press, vol. 83, p. 77. 1½ columns.

Jigs as Classifiers in Ore-Dressing. E. & M. J., vol. 84, p. 1063. 1⅔ columns.

General and Special Observations Concerning Ore-Dressing. By O. Bilharz. T. A. I. M. E., vol. 22, pp. 225 and 699.

Notes on Milling. P. C. & M. Soc. S. A., vol. 4, p. 405. 66 pages. I.

Flow of Water Carrying Sand in Suspension. By F. K. Blue. E. & M. J., vol. 84, p. 536. 10⅓ columns. I.

The Modern Theories of the Flow of Water and Their Application in Gold Mining. By H. S. H. Shaw. P. C. & M. Soc. S. A., vol. 4, p. 575. 12 pages. I.

Treatment of Low Grade Ores by Concentration. Min. & Sci. Press, vol. 75, p. 98. 5 columns.

Treatment of Low-Grade Ores. By E. B. Kirby. Min. & Sci. Press, vol. 72, p. 44. 3½ columns.

The FrictionProcess of Ore Dressing. By O. Witt. Min. Mag., vol. 13, p. 324. 2 columns. I.

Concentration of Sulphurets. Min. & Sci. Press, vol. 13, p. 386. 1½ columns.

Concentration of Ores. Min. & Sci. Press, vol. 27, p. 168. 2½ columns.

Mechanical Ore Concentration and Separation. Min. & Sci. Press, vol. 33, p. 80, ⅔ column; p. 100, 1 column; p. 106, 1 column; p. 129, ½ column; p. 180, ⅔ column; p. 196, ⅔ column; p. 201, ⅔ column; p. 233, 1 column; p. 265, ½ column; p. 308, 1¼ columns; p. 320, ½ column; p. 369, ⅞ column; p. 389, ½ column; p. 401, ½ column; p. 425, 1 column; vol. 34, p. 1, 2 columns; p. 25, ½ column; p. 33, 1½ columns; p. 57, ½ column, I.; p. 73, ⅔ column, I.; p. 89, ½ column; p. 105, ¾ column; p. 124, ¾ column; p. 140, ½ column; p. 145, 1½ columns, I.; p. 161, 1 column, I.; p. 201, ½ column; p. 217, Note, I.; p. 233, ¾ column, I.; p. 241, ½ column; p. 257, ½ column; p. 284, ⅔ column; p. 297, ¾ column.

Krom's System of Ore Concentration. E. & M. J., vol. 22, p. 284. 2½ columns. I.

Concentration of Ores: Calculations as to Advisability of Operations. E. & M. J., vol. 5, pp. 120, 136, 152, 184.

Lectures on Ore Dressing. By W. W. Smyth. E. & M. J., vol. 24, p. 367, 2 columns; Reduction, p. 384, 2 columns; Stamps, p. 400, 2 columns; Concentration, p. 416, 2 columns; Dressing Apparatus, p. 435, 2½ columns.

Water Currents: Carrying Power, Dams, etc. E. & M. J., vol. 79, p. 904. 1½ columns

Notes and Data of Interest to Zinc Miners. By W. G. Waring. E. & M. J., vol. 76, p. 15. 3 columns.

Ore-Dressing. Screening, p. 407; Sorting, pp. 407, 413. Crushing, p. 425. I.

The Witwatersrand Gold-Fields.

Notes on Milling. By W. Beaver. P. C. M. & M. Soc. S. A., vol. 6, p. 215, 5 columns; p. 253, 1½ columns; p. 275, 2 columns; p. 315, 1 column; p. 341, 1 column; p. 365, 5 columns. I.

Edison's Ore-Working Process. Min. & Sci. Press, vol. 75, p. 458. 3 columns. I.

Wet Concentration: Methods by which Minerals Susceptible to this Process can be Recovered to a High Percentage. By F. W. Sherman. M. & M., Dec., 1904, p. 248.

Primitive Method of Concentration. M. & M., Mar., 1905, p. 385.

Milling of Gold and Silver Ores, p. 363.

Concentration Mills or Dressing, p. 444.

Floors for the Ores of Lead and Zinc and Copper, etc., p. 462.

Other Methods of Concentration: The Working of Mills, etc., p. 462.

Machinery for Metalliferous Mines.

Note on Cheap Gold-Milling in Mexico. By H. F. Collins. T. A. I. M. E., vol. 31, p. 446, 1901.

Concentration Machinery, p. 217.

Coarse Concentration Machinery, p. 235.

Machinery for Fine Concentration, p. 301.

Machinery for Metalliferous Mines.

For additional information on Jigging, see Jigs and Jigging.

Jigs and Jigging

A Plunger for Concentrating Jigs. E. & M. J., vol. 57, p. 607. 1 column. I.

A Convenient Jig for Testing Ores. By S. I. Hallett. E. & M. J., vol. 57, p. 127. 1 column. I.

The Stauch Jig. T. A. I. M. E., vol. 9, Plate IV.

An Experimental Hand-Jig. By P. W. Duffield. E. & M. J., vol. 64, p. 68, 1 column, I.; and p. 305, I.

Jigs at Broken Hill: The Hancock Swinging Jig and May's Improved Jig. E. & M. J., vol. 66, p. 248. I.

Jigs for Cleaning Large Coal. T. A. I. M. E., vol. 19, p. 420.

Concentrating Magnetite with the Conkling Jig at Lyon Mt., N. Y. By F. S. Ruttman. T. A. I. M. E., vol. 16, p. 609.

The Utsch Automatic Jig. By H. Engelmann. T. A. I. M. E., vol. 2, p. 31.

Coal-Jigs. T. A. I. M. E., vol. 9, Plates IV to X.

The Paddock Air-Jig. T. A. I. M. E., vol. 8, p. 148.

The Klein Jig and Classifier. T. A. I. M. E., vol. 31, p. 619. I.

A Hand Jig. By W. S. Thyng. E. & M. J., vol. 80, p. 491. 3 columns. I.

Is Close Sizing before Jigging Advantageous? E. & M. J., vol. 49, p. 357, 4½ columns; and p. 443, 1 column.

The Rogers Jig. E. & M. J., vol. 32, p. 389. 1½ columns. I.

Jiggers and Jigging. Machinery for Metalliferous Mines, p. 291. 11 pages.

Eccentric Jig, with Adjustable and Automatic Lower Discharge Arranged for the Full Width of the Bed and for One or More Compartments. By E. G. Tuttle. T. A. I. M. E., vol. 26, p. 278.

A Jig-Indicator. T. A. I. M. E., vol. 26, p. 4.

Middle-Product Jig, with Adjustable and Automatic Discharges for the Middle and Lower Products. By E. G. Tuttle. T. A. I. M. E., vol. 26, p. 284.

The Cycle of the Plunger-Jig. By R. H. Richards. T. A. I. M. E., vol. 26, pp. 3 and 1034.

Air Jigs. E. & M. J., vol. 42, p. 237. 1¼ columns.

A Continuous Adjustable Jig. T. A. I. M. E., vol. 24, p. 92.

Ore-Dressing in Europe: Jigging. Sch. Mines Quart., vol. 4, p. 203. 16 pages. I.

Continuous Jigging. E. & M. J., vol. 9, p. 377. 1 column.

Notes on an Experimental Hand-Jig. By P. W. Duffield. T. I. M. & M., vol. 5, p. 325.

The Oberegger System of Double-Acting Coal Jigs with Reciprocating and Oscillating Piston: Some of Their Advantages. M. & M., vol. 19, p. 321. 4⅕ columns. I.

Jigs for Coal Washing. Sch. Mines Quart., vol. 17, p. 394. 2 pages.

Krom's Dry Concentrators or Air Jigs: A Challenge. E. & M. J., vol. 42, p. 111, 1½ columns; p. 165, 1⅓ columns; p. 182, 1 column.

Cazin's Ore Separator-Jig. E. & M. J., vol. 15, p. 33. ½ column. I.

The Utsch Automatic Jig. E. & M. J., vol. 15, p. 385. 3¾ columns. I.

Power Jigs at the Clausthal Dressing Works. E. & M. J., vol. 25, p. 132. I.

Jig Work at Glendale, Mont.: Size of Stuff, Speed, Length of Stroke, Height of Bed, etc. E. & M. J., vol. 34, p. 306. 1 column. I.

Stopff's Continuous Jigger. E. & M. J., vol. 13, p. 177. 4½ columns. I.

Jigs: Kind, Operation, etc. Min. & Sci. Press, vol. 33, pp. 389, 401, 425; and vol. 34, p. 1.

Regulation of Jig Plunger: Table showing Speed of Rising Current in Meters. Min. & Sci. Press, vol. 34, p. 1. 2 columns.

Dry Concentration: Krom Jig. Min. & Sci. Press, vol. 31, p. 249. 2½ columns. I.

The Utsch Automatic Jig. Min. & Sci. Press, vol. 27, p. 33. 1¼ columns. I.

Double Piston Harz Jig. Min. & Sci. Press, vol. 27, p. 337. 1 column. I.

Cazin's Automatic Continuous One-Plunger Jig. Min. & Sci. Press, vol. 28, p. 321. 2½ columns. I.

The Hand-Jig in Burmah. Min. & Sci. Press, vol. 25, p. 56. ½ column. I.

Dressing Zinc and Lead Ores in Southwest Missouri and Southeast Kansas. By G. T. Cooley. E. & M. J., vol. 58, p. 9. 1 column.

Dodge's Pneumatic Jig. Min. & Sci. Press, vol. 49, p. 145. 12 columns. I.

The Conkling Jig. Min. & Sci. Press, vol. 59, p. 9. 1 column. I.

The Round Wet Jig. Min. & Sci. Press, vol. 59, p. 81. ⅔ column. I.

Concentrating Magnetite (Conkling Jig). Min. & Sci. Press, vol. 59, p. 9. 1½ columns. I.

Jigging Anthracite: The Principle of the Jig. Early Forms. Christ Jig. By Isaac Christ. M. & M., vol. 26, p. 465. 2 columns.

Screens vs. Hydraulic Sizing. By S. I. Hallett. Min. & Sci. Press, vol. 84, p. 113. 3⅔ columns.

The Hancock Jig at Penn Wyoming Company's Mill. By R. B. Lamb. Min. & Sci. Press, vol. 91, p. 111. 1½ columns. I.

New Century Drop Motion Jig. Min. & Sci. Press, vol. 87, p. 148. 2 columns. I.

The Hancock Jig at Fredericktown, Mo., Operating on Lead Ores. M. & M., vol. 27, p. 150. 1 column. I.

Harz Jigs: Detailed Construction. E. & M. J., vol. 82, p. 772. I.

Coal-Washing Jigs. E. & M. J., vol. 84, pp. 18, 19, 20. I.

The Wall Jig. E. & M. J., vol. 82, p. 60. ½ column.

The Traylor Iron Jig. E. & M. J., vol. 83, p. 425. 3 columns. I.

Jigs as Classifiers in Ore Dressing. By J. T. Glidden. E. & M. J., vol. 84, p. 1063. 1⅔ columns.

Iron Balls for Jig Beds. E. & M. J., vol. 83, p. 393. ¼ column.

Hancock and Shaft-Smalls Jigs for Treatment of Copper-Ore in South Australia. T. I. M. E., vol. 27, p. 437. 5 pages. I.

For further information on Jigging, see Theory of Concentration.

Hand Dressing, Sorting

Hand Dressing, Saxony. Sch. Mines Quart., vol. 14, p. 219. 6 pages. I.

Ore-Dressing in Europe: Cobbing and Spalling. Sch. Mines Quart., vol. 4, p. 195, 3 pages; and p. 183, 2 pages.

Ore-Dressing in Europe: Underground Separations. Sch. Mines Quart., vol. 4, p. 181. ½ page.

Ore Sorting in the Witwatersrand. Sch. Mines Quart., vol. 21, p. 21. 6 pages.

Picking Bands or Belts for Coal Washing Plants. Sch. Mines Quart., vol. 17, p. 396. ¼ page.

Mechanical Slate-Pickers. E. & M. J., vol. 77, p. 317. 7½ columns. I.

The Sorting and Cleaning of Coal. Coll. Guard., vol. 59, p. 12, London. 2 columns.

Picking, Cobbing, and Washing Iron Ores in Sweden. Engineering, vol. 66, p. 502, London. ⅓ column.

Slate-Picking Chutes. T. A. I. M. E., vol. 19, p. 418.

An Automatic Slate Picker. T. A. I. M. E., vol. 19, p. 424.

Girls Picking Slate. E. & M. J., vol. 67, p. 203.

Sorting Ore in Mexico. Min. Mag., Aug., 1904, p. 104.

Handpicking or Dry Dressing. Sch. Mines Quart., vol. 21, p. 137. 7 pages.

Sorting at Johannesburg. By T. L. Carter. E. & M. J., vol. 75, p. 215. 2 columns.

Sorting. Underground, p. 412; Principles of Sorting, p. 413; Methods of Sorting, p. 413; Sorting on Floors, p. 414, I.; Sorting on Revolving Tables, p. 417, I.; Sorting on Moving Belts, p. 420, I.; Sorting on Shaking Table, p. 422, I.; Comparison of Methods, p. 423.
The Witwatersrand Gold-Fields.

The Nichter Spiral Slate-Picker. E. & M. J., vol. 80, p. 734. 3 columns. I.

Ore Sorting and Sampling Ore in a Mine. E. & M. J., vol. 75, pp. 400 and 401. 2½ columns.

Ore-Sorting. E. & M. J., vol. 75, p. 400. I.

Hand-Sorting at Cripple Creek. E. & M. J., vol. 78, p. 912. 2 columns.
E. & M. J., vol. 45, p. 268. By F. L. Bartlett. 3½ columns. I.

The Emery Slate Picker. E. & M. J., vol. 80, p. 98.

Picking Tables, Belts, etc., as Employed in Mills for Sorting Ores Preparatory to Milling. Machinery for Metalliferous Mines, p. 225. 4 pages. I.

Nichter's Revolving Spiral Slate Pickers. M. & M., vol. 26, p. 293.

Ziz-zag Emery Slate Pickers. M. & M., vol. 26, p. 292.

Pardee Stationary Spiral Slate Pickers. M. & M., vol. 26, p. 294.

A Revolving Spiral Separator, Nichter's. M. & M., vol. 26, p. 279. 2⅔ columns. I.

Depositing Floors, De Beers Mines. Diamond Mines of South Africa, p. 360. 9 pages.

Ore Sorting in Colorado. Min. & Sci. Press, vol. 70, p. 183. ½ column.

Picking Belts: Size of Lumps to Width of Belt and Capacities. By E. H. Messiter. E. & M. J., vol. 81, p. 1139. 2½ columns. I.

Hand Sorting vs. Milling. Min. & Sci. Press, vol. 88, p. 40. 2 columns.

Sorting in the Rand Mines. Witwatersrand Gold Fields, p. 412. 12½ pages. I.

Advantages of Sorting. Witwatersrand Gold Fields, p. 478. 2 pages.

Sorting at the Rand Mines: Tables. Gold Mines of the Rand, p. 151. 5 pages. I.

Picking Belts or Tables. The Mechanical Handling of Material, p. 74. 3 pages. I.

Underground Sorting of Ores in New South Wales. T. I. M. & M., vol. 7, p. 257. 1 page.

Sorting in West Australian Gold Mines. Gold Mining & Milling, p. 185. 1 page.

Manual Selection or Hand Sorting of Zinc Ores. Rept. Zinc Comm., Canada, p. 76. 5 pages. I.

Ten-Foot Picking Table Used in the Davis Pyrites Mine, Massachusetts. E. & M. J., vol. 82, p. 675. ½ column. I.

Sorting and Preparing Coal for Market in Warwickshire, England. T. I. M. E., vol. 26, p. 544. 1 page. I.

The Emery Slate Picker. J. C. M. I., vol. 9, p. 265. ½ page. I.

Sorting Ore on the Rand. P. C. & M. Soc. S. A., vol. 4, p. 118. 7 pages.

Hand Sorting of Ores. E. & M. J., vol. 83, p. 1107. Note.

Sorting and Classifying the Ores at Kedabeg, Russia. T. I. M. & M., vol. 14, p. 507. 1 page.

Flotation Processes

The Physics of Ore Flotation. By J. Swinburne and G. Rudorf. E. & M. J., vol. 81, p. 276. 4 columns.

Flotation Processes. E. & M. J., vol. 81, p. 314. 8 columns. I.

Australian Flotation Processes: Potter, Oil Process, De Bavay Process, etc. M. & M., vol. 27, p. 45. 3½ columns. I.

The Potter Flotation Process. E. & M. J., vol. 78, p. 394. 3 columns. I.

The Physics of Ore Flotation. Min. & Sci. Press, vol. 92, p. 126. 3 columns.

Flotation Processes. Rept. Zinc Comm., Canada, p. 121. 7 pages.

The Flotation Processes at Broken Hill. By D. Clark. E. & M. J., vol. 82, p. 966. 2 columns.

The De Bavay (Flotation) Process. E. & M. J., vol. 82, p. 344. 5 columns. I.

Acid Flotation Processes at Broken Hill, New South Wales. By F. H. Jackson. Min. & Sci. Press, vol. 94, p. 728. 5 columns. I.

Theories Concerning the Flotation Process. E. & M. J., vol. 83, p. 344. 1½ columns.

The Flotation Processes. By W. R. Ingalls. E. & M. J., vol. 82, p. 1113. 7⅓ columns. I.

Flotation Plant at Broken Hill, Australia. E. & M. J., vol. 83, p. 321. 1 column. I.

The Elmore or Vacuum Flotation Process. By E. Walker. E. & M. J., vol. 83, p. 800. 2½ columns. I.

Concentration Upside Down. By W. R. Ingalls. E. & M. J., vol. 84, p. 765. 16½ columns. I.

The Elmore Vacuum Process at Dolcoath. By E. Walker. E. & M. J., vol. 84, p. 1103. 9 columns. I.

Vacuum-Flotation Process for Concentration. By A. S. Elmore. E. & M. J., vol. 83, p. 908. 5 columns. I.

The Relative Attraction of Some Common Minerals for Residuum Oil. By J. F. Hamilton. J. C. M. I., vol. 7, p. 185. 8 pages.

The Elmore Vacuum Process of Ore Concentration. M. & M., vol. 28, p. 24. 3 columns. I.

Notes on the Elmore Concentration Process. By C. M. Rolker. T. I. M. & M., vol. 8, p. 379.

Notes on the Elmore Concentration Process. E. & M. J., vol. 69, p. 742. 1 column.

Oil Concentration. By W. J. Adams. Min. Mag., July, 1904, p. 45.

The Elmore Concentration Process. E. & M. J., vol. 71, p. 691. 2 columns. I.

The Elmore Oil Concentrating Process. E. & M. J., vol. 74, p. 371. 2 columns. I.

Oil Concentration. E. & M. J., vol. 80, p. 304. 1¾ columns.

The Concentration of Ores by Oil. By W. McDermott. E. & M. J., vol. 75, p. 262, 3 columns, I.; and p. 292, 7 columns, I.

Oil for Concentrating Ores. E. & M. J., vol. 77, p. 152. 2 columns.

The Elmore Oil Concentration: Description of Method and Machinery used in Concentrating Copper Ores at St. Davids Mine, North Wales. By A. W. Sancton. M. & M., vol. 24, p. 6, 4 columns, and Feb., 1903, p. 292 (W. H. Booth).

Using Oil with Ores. Min. & Sci. Press, vol. 59, p. 448. ½ column.

Concentration of Ores by Petroleum. By C. M. Rolker. Min. & Sci. Press, vol. 81, p. 40. 1¼ columns.

Concentration of Ores by Oil. Min. & Sci. Press, vol. 84, p. 230. ⅔ column.

Origin of Oil Concentration in America. Min. & Sci. Press, vol. 84, p. 270. ⅔ column.

Oil Process for Ore Concentration. Min. & Sci. Press, vol. 85, p. 207. 1 column.

A System of Continuous Concentration of Ores by Oil: Slight Costs. By J. W. Van Meter. Min. & Sci. Press, vol. 87, p. 304. 2⅔ columns. I.

Elmore Oil Concentration in West Australia. Gold Mining & Milling, p. 408. 7 pages.

Amalgamation of Gold and Silver

Notes on Amalgamation. P. C. & M. Soc. S. A., vol. 4, p. 405. 66 pages. I.

Amalgamation on the Rand. P. C. & M. Soc. S. A., vol. 3, pp. 302, 309, 321, 325, 327, 328, 329, 330, 341, 345.

The Reduction of Rand Ores by Amalgamation and Concentration. By J. S. Curtis. J. C. & M. Soc. S. A., vol. 1, p. 76. 9 pages.

The Amalgamation of Gold Ores. By T. T. Read. T. A. I. M. E., vol. 37, p. 56. 28 pages. I.

The Amalgamation of Copper Ore. Min. & Sci. Press, vol. 94, p. 146. 1 column.

Amalgamation of Copper Ores. Min. & Sci. Press, vol. 93, p. 472. 2¾ columns.

Stamp Milling and Amalgamation of Free Gold Ores. By D. Harmon. Min. & Sci. Press, vol. 86, p. 38, 2½ columns; p. 53, 3¾ columns, I.; p. 68, 3½ columns, I.; p. 84, 2½ columns, I.; p. 100, 2½ columns; p. 116, 1 column.

On the Extraction of Gold from Auriferous Pyrites by Amalgamation. By T. G. Davey. T. I. M. & M., vol. 8, p. 473.

Gold Amalgamation. By C. G. W. Lock. T. I. M. & M., vols. 1 and 2, p. 205.

Notes on Gold and Silver Amalgamation. By W. S. Welton. T. I. M. & M., vol. 8, p. 420.

Amalgamation at the Comstock Lode, Nevada: A Historical Sketch of Milling Operations at Washoe, and an Account of the Treatment of Tailings at the Lyon Mill, Dayton. By A. D. Hodges, Jr. T. A. I. M. E., vol. 19, p. 195.

Consumption of Mercury at Alaska Treadwell Mills and Recovery of Same. E. & M. J., vol. 78, p. 580. ⅔ column.

Concentration Before Amalgamation for Low-Grade Partially Decomposed Silver-Ores, with Notes on the Geology of the Flint Creek Mining District. By C. W. Goodale and Wm. A. Akers. T. A. I. M. E., vol. 18, p. 242.

Amalgamation at the Comstock Lode, Nevada. By A. D. Hodges. E. & M. J., vol. 51, p. 205, 3½ columns; and p. 231, 4 columns. I.

The Russell Process at the Marsac Mill and Amalgamation at the Ontario. E. & M. J., vol. 51, p. 444. 1¼ columns.

Milling of Gold Quartz. By M. Atwood. Mechanical Processes; Barrel Amalgamation; Battery Amalgamation; and Pan Amalgamation. Min. & Sci. Press, vol. 43, p. 403. 7⅓ columns.

Saving Gold from Sulphurets: "Rusty" Gold. Min. & Sci. Press, vol. 31, p. 248. 2 columns.

Amalgamation of Gold. By H. G. Hanks. Min. & Sci. Press, vol. 45, p. 40. ½ column.

Amalgamation at the Comstock Lode. By A. D. Hodges. Min. & Sci. Press, vol. 62, p. 99, 3¾ columns; p. 115, 3¾ columns; p. 131, 3½ columns; p. 153, 4 columns, I.; and p. 162, 4 columns.

Greasy Ores in Arizona: Hindrance to Amalgamation. Min. & Sci. Press, vol. 13, p. 59. ⅓ column.

Big Clean-Ups. Min. & Sci. Press, vol. 35, p. 105. ¾ column.

On the Chemical Reactions Involved in the Amalgamation of Silver Ores. By H. F. Collins. T. I. M. & M., vol. 7, p. 229. 10 pages.

Amalgamation on the Rand. Gold Mines of the Rand, p. 198. 5½ pages. I.

Amalgamation of the Precious Metals. Min. & Sci. Press, vol. 26, p. 136. 2¼ columns.

Extracting Free Gold. Min. & Sci. Press, vol. 25, p. 210. ½ column.

The Free Milling Process. Min. & Sci. Press, vol. 89, p. 440. 4 columns. I.

Amalgamating Gold Ores. By A. Del Mar. Min. & Sci. Press, vol. 90, p. 368. 2½ columns. I.

Amalgamating Tables. By A. Del Mar. Min. & Sci. Press, vol. 91, p. 89. 1⅔ columns. I.

Conditions of a Good Result from Amalgamation. Min. & Sci. Press, vol. 76, p. 490. 1 column.

Hints on Amalgamation. By W. H. Kritzer. Min. & Sci. Press, vol. 87, p. 65. ¾ column.

Quicksilver Recovery from Greasy Refuse. Min. & Sci. Press, vol. 80, p. 42. 1½ columns.

Amalgamation in Colorado. Min. & Sci. Press, vol. 76, p. 538. ⅔ column.

Treating Non-Smelting Ores in South America: Amalgamation and Chlorination, etc. Min. & Sci. Press, vol. 82, p. 5. 1½ columns.

Morris System of Gold Amalgamation. Min. & Sci. Press, vol. 47, p. 362. 2 columns.

Inside vs. Outside Amalgamation. Min. & Sci. Press, vol. 39, p. 241. ⅔ column.

Amalgamation and Other Wet Processes for Silver Ores in Mexico. T. I. M. & M., vol. 13, p. 111. 35 pages.

Silver-Plated Amalgamating Plates. Min. & Sci. Press, vol. 54, p. 21. ½ column.

Rae's System of Amalgamation. Min. & Sci. Press, vol. 30, p. 329, 3 columns; and p. 337. I.

The Milling of Gold Quartz: Amalgamation. Min. & Sci. Press, vol. 43, p. 111, 4 columns, I.; p. 121, 1 column.

Barrel Amalgamation. Min. & Sci. Press, vol. 44, p. 241. ⅔ column.

Vat Process for Silver Amalgamation. Min. & Sci. Press, vol. 49, p. 150. 1 column.

Electricity and Amalgamation. Min. & Sci. Press, vol. 51, p. 324. 1 column.

Experiments in Roasting and Amalgamation. Min. & Sci. Press, vol. 51, p. 339, 1 column; p. 370, 1⅞ columns; and p. 387, 1¼ columns.

Amalgamating Gold and Silver. Min. & Sci. Press, vol. 45, p. 342. 1½ columns.

Substances Used in Amalgamating. Min. & Sci. Press, vol. 46, p. 54. 1⅓ columns.

Molten Lead for Amalgamating. Min. & Sci. Press, vol. 47, p. 72. 1 column.

Expansion Caused by Amalgamation. Min. & Sci. Press, vol. 52, p. 394. ⅓ column.

Some Points in Silver-Milling by Amalgamation. Min. & Sci. Press, vol. 66, p. 117, 1⅙ columns; p. 132, 1½ columns; p. 148, 1½ columns; p. 164, 1⅔ columns.

Consumption of Quicksilver in Stamp-Mill Practice. T. A. I. M. E., vol. 23, p. 566.

Amalgamation: Silver. Min. & Sci. Press, vol. 37, p. 342. 1¼ columns.

Overcoming Difficulties in Amalgamation. Min. & Sci. Press, vol. 18, p. 120. 1 column.

Battery Amalgamation of Second Class Ores in Colorado. Min. & Sci. Press, vol. 19, p. 306. ⅔ column.

Amalgam of Mercury and Steel and of Mercury and Cast Iron. Min. & Sci. Press, vol. 25, p. 147. 1¼ columns.

Theory of the American Amalgamation. Min. & Sci. Press, vol. 26, p. 387. ½ column.

Chilian Method of Amalgamation. Min. & Sci. Press, vol. 27, p. 346, ⅔ column; and vol. 28, p. 22, 3¼ columns.

Quicksilver in Hydraulic Mining. Min. & Sci. Press, vol. 28, p. 248. ¾ column.

Amalgamation: Amalgams. Min. & Sci. Press, vol. 30, p. 76. 2 columns.

The Kroehnke Amalgamation Process. Min. & Sci. Press, vol. 33, p. 398. 1¾ columns.

The Secor Amalgamating Process. Min. & Sci. Press, vol. 34, p. 372. 1 column.

Dry Amalgamation. Min. & Sci. Press, vol. 35, p. 65. 1⅓ columns. I.

Amalgamation of Silver Ores: Aarons Method. Min. & Sci. Press, vol. 28, p. 232, ¾ column; vol. 29, p. 9, 1½ columns; p. 25, 1 column; and p. 35, 2 columns.

The Amalgamation of Gold Ores. By J. A. Church. E. & M. J., vol. 14, p. 84, 3 columns; and p. 98, 2½ columns.

The Amalgamation of Iron. E. & M. J., vol. 14, pp. 59, 66.

Some Chemical Reactions Affecting the Amalgamation Process. E. & M. J., vol. 32, p. 354. 2 columns.

Electro-Amalgamation of Gold Ores. E. & M. J., vol. 35, p. 160. 1 column.

The Chilian Method of Amalgamation. E. & M. J., vol. 16, p. 347. 2½ columns.

Improvements in Gold and Silver Amalgamation. Am. Jour. Min., vol. 1, p. 71. 1½ columns.

Amalgamation. By J. H. Tiemann. Am. Jour. Min., vol. 2, p. 330, 1½ columns; p. 346, 2 columns; p. 377, 1½ columns; p. 394, 1⅔ columns; p. 410, 2 columns; vol. 3, p. 4, 1⅔ columns; p. 23, 1⅔ columns; p. 103, 1½ columns; p. 123, 1½ columns; p. 144, 1½ columns; p. 164, 1½ columns; p. 184, 1⅓ columns; and p. 263, 1⅓ columns.

Amalgamation on the Rand. By I. Roskelley. E. & M. J., vol. 77, p. 841. 3 columns.

Hydrogen Amalgam. E. & M. J., vol. 37, p. 236. 1 column.

The Present Status of Stamp Milling. By T. A. Rickard. E. & M. J., vol. 54, p. 632. 1½ columns.

The Use of Bichloride of Mercury in the Saving of Fine Gold. By B. T. Wilson. E. & M. J., vol. 49, p. 61, 1½ columns; and p. 243, 1 column.

Amalgamation of Gold Ores. Coll. Engr. & Met. Miner, vol. 17, pp. 268, 300, 344.

Shaking Amalgamating Plates. E. & M. J., vol. 80, p. 265. ⅔ column.

The Wiswell Amalgamating Mill. E. & M. J., vol. 42, p. 25. 2 columns. I.

Amalgamating Mills: Power, Costs, etc. E. & M. J., vol. 38, p. 139, 3 columns; p. 157, Stamps, 5½ columns; p. 172, Pans, 6½ columns; p. 190, Roasting Furnaces, 4½ columns; p. 215, Arrastras, 2½ columns.

Lixiviation vs. Amalgamation. T. F. I. M. E., vol. 5, p. 336.

Lixiviation and Amalgamation. T. A. I. M. E., vol. 14, p. 395.

Notes on Plate Amalgamation. By G. E. Collins. E. & M. J., vol. 68, p. 762. 1½ columns.

The Treatment of Amalgam in the Transvaal. By F. L. Carter. E. & M. J., vol. 66, p. 578. ⅔ column.

Combined Amalgamation and Concentration of Silver-Ores. By W. McDermott. T. A. I. M. E., vol. 13, p. 679.

RECENT IMPROVEMENTS IN CONCENTRATION AND AMALGAMATION. By J. A. Church. T. A. I. M. E., vol. 8, p. 141.

IRON AMALGAM. By E. M. Mardin. E. & M. J., vol. 66, p. 393; vol. 65, p. 766.

THE AMALGAMATION OF RICH, FREE GOLD-ORES. By F. Hille. E. & M. J., vol. 61, p. 136. 1½ columns.

TINA AMALGAMATION. By T. y Sacio. E. & M. J., vol. 60, p. 253. 2 columns.

THE MACARTHUR-YATES PROCESS OF GOLD EXTRACTION: Dry Crushing, with Direct Amalgamation and Cyanidation. By J. Yates. T. F. I. M. E., vol. 12, p. 361. 10 pages. I.

AMALGAMATING GOLD. Min. & Sci. Press, vol. 62, p. 169. 4 columns.

ELECTRICAL PRECIPITATION OF GOLD ON AMALGAMATING COPPER PLATES. Min. & Sci. Press, vol. 81, p. 8.

TESTING GOLD BY AMALGAMATION. By E. A. Hersam. T. A. I. M. E., vol. 35, p. 399. 27 pages. I.

NOTE ON THE PLATE-AMALGAMATION OF GOLD AND SILVER. By E. A. H. Tays. T. A. I. M. E., vol. 30, p. 318.

THE USE OF THE TREMAIN STEAM-STAMP WITH AMALGAMATION. By E. A. Sperry. T. A. I. M. E., vol. 26, p. 545.

THE AMALGAMATION OF GOLD-ORES, AND LOSS OF GOLD IN CHLORIDIZING-ROASTING, WITH SPECIAL REFERENCE TO ROASTING IN A STETEFELDT FURNACE. By C. A. Stetefeldt. T. A. I. M. E., vol. 14, p. 336.

A GENERAL CLEAN-UP AT THE NORTH BLOOMFIELD GRAVEL MINE. By W. H. Radford. Sch. Mines Quart., vol. 5, p. 373. 5 pages. I.

THE TREATMENT OF GOLD AND SILVER ORES BY WET CRUSHING AND PAN AMALGAMATION WITHOUT ROASTING. By J. M. Adams. T. A. I. M. E., vol. 2, p. 159.

SOME RESEARCHES ON THE AMALGAMATION OF GOLD AND SILVER. By T. Egleston. T. A. I. M. E., vol. 12, p. 379.

See USE OF PLATES IN AMALGAMATION.

Use of Plates in Amalgamation

NOTE ON PLATE-AMALGAMATION. By A. J. Clark. T. A. I. M. E., vol. 29, pp. 459 and 1039; E. & M. J., vol. 68, p. 762. 1½ columns.

THE SILVER PLATING OF AMALGAM PLATES FOR GOLD MILLS. By A. J. Clark. Sch. Mines Quart., vol. 21, p. 48. 8 pages. I.

THE ACCUMULATION OF AMALGAM ON COPPER PLATES. By R. T. Bayliss. T. A. I. M. E., vol. 26, pp. 33 and 1039.

SODIUM AMALGAM. M. & M., Apr., 1901, p. 388. ¼ column.

ELECTRO-SILVERED VS. PLAIN COPPER PLATES. By E. Halse. T. I. M. & M., vol. 9, p. 155. 20 pages.

AMALGAMATING PLATES AND MACHINERY. Machinery for Metalliferous Mines, p. 411. 22 pages.

NOTES ON BATTERY AND COPPER-PLATE AMALGAMAITON. By R. H. Richards. T. A. I. M. E., vol. 8, p. 362.

ELECTRO-SILVERED VS. PLAIN COPPER PLATES. By E. Halse. E. & M. J., vol. 71, p. 210. 2 columns.

ELECTRO-PLATED COPPER PLATES IN THE BATTERY. By F. W. Cindel. J. C. & M. Soc. S. A., Oct., 1904.
Min. Mag., Feb., 1905, p. 171.

MUNTZ METAL. By J. G. A. Rhodin. E. & M. J., vol. 79, p. 851, 2 columns; and vol. 74, p. 213.
Chem. News, 1902, vol. 85, p. 134.

THE USE OF AMALGAMATED COPPER SURFACES. Min. & Sci. Press, vol. 25, p. 230. ½ column.

A PLATE AMALGAMATOR. Min. & Sci. Press, vol. 57, p. 397. 1 column.

AMALGAMATED COPPER PLATES. By N. S. Keith. E. & M. J., vol. 11, p. 210. 2 columns.

SILVER PLATED AMALGAMATING PLATES. Min. & Sci. Press, vol. 37, p. 120, ½ column; vol. 54, p. 21. ½ column.

PLATE AMALGAMATION. Min. & Sci. Press, vol. 39, p. 248. ¾ column.

Amalgamating Plates. Min. & Sci. Press, vol. 39, p. 393. 1 column.

Amalgamated Plates for Placer Mines. Min. & Sci. Press, vol. 39, p. 414. ½ column.

The New Departure in Pan Amalgamation. Min. & Sci. Press, vol. 40, p. 329. 1¼ columns.

Keeping Copper Plates Bright. Min. & Sci. Press, vol. 73, p. 28. ½ column.

Muntz Metal for Amalgamating Plates. E. & M. J., vol. 54, p. 561. ½ column.

Wood Ash, a Preservative for Amalgamation Plates when not in Use. Min. & Sci. Press, vol. 84, p. 31. Note.

Silvering Copper Plates. Min. & Sci. Press, vol. 81, p. 594. ½ column.

Treatment of Mercury and of Battery Plates. Min. & Sci. Press, vol. 78, p. 5. ¾ column.

Amalgamated Copper Plates. Min. & Sci. Press, vol. 79, p. 8, 2¾ columns; and p. 69, ⅔ column.

Amalgamation of Metals, Normal and Electrolytic. Min. & Sci. Press, vol. 80, p. 430. 2⅓ columns.

Accumulation of Amalgam on Copper Plates. Min. & Sci. Press, vol. 76, p. 419. 1½ columns.

Grade of Plates in Stamp Mills. Min. & Sci. Press, vol. 88, p. 158. 1½ columns.

Raw Copper Plates. Min. & Sci. Press, vol. 87, p. 182. 2½ columns.

The Position of Amalgamating Plates in the Stamp-Mill. Min. & Sci. Press, vol. 93, p. 379. ¾ column.

The Use of Electro-Plated Copper Plates in the Battery. By C. W. Cindel. P. C. M. & M. Soc. S. A., vol. 5, p. 92. 5 pages.

For further information, see Amalgamation.

Pan Amalgamation

Pan vs. Tina Amalgamation. By P. Blanca. E. & M. J., vol. 60, p. 586. 1⅔ columns.

Action of Sodium Amalgam in the Pan. Am. Jour. Min., vol. 4, p. 56. 1⅓ columns.

The Boss "Continuous System" of Pan Amalgamation. E. & M. J., vol. 35, p. 86. 1 column. I.

The Austrian Gold Mill: Similar to Amalgamating Pan. E. & M. J., vol. 14, p. 113. 3¼ columns. I.

The Wheeler Pan. E. & M. J., vol. 14, p. 417. ½ column. I.

Amalgamation of Silver Ores in Pans, with the Aid of Chemicals. E. & M. J., vol. 13, p. 257, 3 columns; and p. 273, 3½ columns.

Hints on the Washoe Process. Min. & Sci. Press, vol. 30, p. 320, 1 column; p. 337, 1 column; p. 385, 1 column; and p. 401, 1 column.

Chemicals in Pan Amalgamation. Min. & Sci. Press, vol. 27, pp. 266 and 268, ¾ column; p. 274, 2¾ columns; p. 290, 1½ columns; and p. 306, 1½ columns.

Paul's Automatic Mill (Process of Amalgamation). Min. & Sci. Press, vol. 27, p. 72. 1¾ columns.

Chemistry of the Washoe Process. Min. & Sci. Press, vol. 23, p. 248. 1⅔ columns.

Pan Amalgamation Again. Min. & Sci. Press, vol. 26, p. 16. 1¾ columns.

The Mechanics of Pan Amalgamation. Min. & Sci. Press, vol. 34, p. 362. ½ column.

A Square Amalgamating Pan. Min. & Sci. Press, vol. 47, p. 81. ½ column.

Running Gear of Amalgamating Pans. Min. & Sci. Press, vol. 47, p. 168. ¾ column.

Varney's Amalgamating Pan. Min. & Sci. Press, vol. 19, p. 277. 1 column.

The New Hepburn Pan. Am. Jour. Min., vol. 7, p. 387. ⅔ column.

Silver Shoes and Dies (for Amalgamating Pans). Min. & Sci. Press, vol. 46, p. 401. 1 column. I.

DISCHARGE FOR AMALGAMATING PANS. Min. & Sci. Press, vol. 43, p. 231. ⅛ column. I.

THE BOSS AMALGAMATING PAN. Min. & Sci. Press, vol. 56, p. 121. ½ column. I.

SODERLING'S AMALGAMATING PAN. Min. & Sci. Press, vol. 56, p. 149; also p. 153, 3 columns. I.

PAN AMALGAMATION. Min. & Sci. Press, vol. 59, p. 201, 2 columns; p. 208, ½ column.

STANDARD PANS AND SETTLERS. Min. & Sci. Press, vol. 59, pp. 297, 304. 1 column.

BUTLER'S AMALGAMATING PAN. Min. & Sci. Press, vol. 63, p. 285. ½ column.

QUICKSILVER IN PAN AMALGAMATION. By W. J. Adams. Min. & Sci. Press, vol. 89, p. 306, 1 column + ; p. 322, 1½ columns; p. 341, 1½ columns.

EFFECT OF SALT AND BLUESTONE ON MERCURY IN PAN AMALGAMATION. By A. E. Drucker. Min. & Sci. Press, vol. 90, p. 320. 1½ columns.

PAN AMALGAMATION AT ROSARIO, MEXICO. By A. E. Drucker. Min. & Sci. Press, vol. 88, p. 397, 2 columns; p. 414, 1 column; and p. 428, 1½ columns. I.

THE REESE RIVER PROCESS: Dry Crushing, Roasting and Amalgamation. E. & M. J., vol. 11, p. 25. 5½ columns.

THEORIES OF PAN AMALGAMATION. Min. & Sci. Press, vol. 74, p. 344. 1 column.

TREATING CONCENTRATES BY PAN AMALGAMATION AT THE MINAS DEL TAJO, MEXICO. By A. E. Drucker. Min. & Sci. Press, vol. 90, p. 238. 4 columns. I.

PAN AMALGAMATION. By H. W. Bangle. Min. & Sci. Press, vol. 94, p. 826. 6 columns.

AMALGAMATION AND OTHER WET PROCESSES FOR SILVER ORES IN MEXICO. By H. F. Collins. T. I. M. & M., vol. 13, p. 111. 35 pages.

ORIGIN OF THE WASHOE PAN PROCESS. Min. & Sci. Press, vol. 18, p. 178, ½ column; p. 194, 1 column; p. 201, ⅔ column; p. 210, ⅔ column; and p. 290, ¾ column.

Rockers, Sluices, Riffles, etc.

REWASHING THE GOLD-BEARING DEBRIS FROM OUR MINES. Min. & Sci. Press, vol. 38, p. 337. 2½ columns.

SLUICE-BOXES AND SIDE-RUNS IN THE ALLUVIAL MINES OF OTAGO. T. A. I. M. E., vol. 21, p. 456.

HOBSON'S STEEL SLUICE RIFFLE. E. & M. J., vol. 69, p. 561. 1 column. I.

PLACER SLUICE RIFFLES. By D. H. Stovall. M. & M., Dec., 1904, p. 247.

EVANS AMALGAMATING RIFFLES. Min. & Sci. Press, vol. 40, p. 33. 2½ columns. I.

NEW AMALGAMATING APPARATUS. Min. & Sci. Press, vol. 42, p. 93. ¾ column.

SLUICE BOXES. Min. & Sci. Press, vol. 44, p. 385. ½ column.

LAY'S VIBRATING QUICKSILVER CRADLE (for Working Placer Ground). Min. & Sci. Press, vol. 65, p. 393. 3 columns. I.

SAVING FLOURED QUICKSILVER (in Bed of the Carson River). Min. & Sci. Press, vol. 54, p. 89, 1½ columns; and p. 154, 1 column.

SAVING FINE GOLD IN SLUICES. Min. & Sci. Press, vol. 78, p. 346. ¾ column.

THE "HULA HULA" ROCKER. Min. & Sci. Press, vol. 80, p. 464. ½ column. I.

THE ROBINSON RIFFLE: Details of Construction. Min. & Sci. Press, vol. 66, p. 115, ½ column, I.; and p. 161, 1 column, I.

See AMALGAMATING APPARATUS and AMALGAMATORS.

Amalgamating Apparatus (Amalgamators)

ELECTRIC POWER APPLIED TO THE BENNETT AMALGAMATOR. E. & M. J., vol. 60, p. 585. ½ column. I.

The Cook Amalgamator. E. & M. J., vol. 49, p. 708. ½ column. I.

Jordan's Amalgamator. E. & M. J., vol. 54, p. 299. ½ column. I.

Mudie's Amalgamator. E. & M. J., vol. 54, p. 415. ¼ column. I.

Improved Concentrator and Amalgamator. Am. Jour. Min., vol. 7, p. 17. 1 column. I.

The New Hepburn Pan. Am. Jour. Min., vol. 7, p. 387, ⅔ column; and vol. 4, p. 209, ½ column. I.

Morris Settler and Amalgamator. Min. & Sci. Press, vol. 28, p. 97. 1½ columns. I.

Rae's System of Amalgamation. Min. & Sci. Press, vol. 30, p. 329, 3 columns; and p. 337. I.

An Improved Dry Amalgamator. Min. & Sci. Press, vol. 31, p. 337. ½ column.

Braid's Ore Crusher and Amalgamator. Min. & Sci. Press, vol. 32, p. 361, ⅔ column, I.; and vol. 33, p. 65, 1¼ columns, I.

An Improved Dry Amalgamator. Min. & Sci. Press, vol. 31, p. 337. ½ column.

Rickard and Paul's Slum Amalgamator. Min. & Sci. Press, vol. 19, p. 225. 3 columns. I.

Michel's Amalgamator. Min. & Sci. Press, vol. 38, p. 193. 2 columns. I.

The Remfrey Separator. Min. & Sci. Press, vol. 23, p. 9. ⅔ column.

Johnson's Patent Batea-Separator and Amalgamator. Min. & Sci. Press, vol. 18, p. 209. 2 columns. I.

The Forster-Firmin Amalgamator. Min. & Sci. Press, vol. 36, p. 129, 2 columns; and p. 137, I.

The Russel Patent Amalgamator and Gold Saver. Min. & Sci. Press, vol. 37, p. 97. 1¼ columns. I.

The Elkins Amalgamator. Min. & Sci. Press, vol. 38, p. 345. 1 column. I.

Evans Amalgamator and Concentrator. Min. & Sci. Press, vol. 39, p. 73. 1 column.

Hydrogen Amalgamators. Min. & Sci. Press, vol. 58, p. 373. 1½ columns.

An Ancient Amalgamator. Min. & Sci. Press, vol. 62, p. 248, 3 columns, I.; p. 241, I.

Stahl-Reu Amalgamator. Min. & Sci. Press, vol. 63, p. 369. 2⅓ columns. I.

The Bucyrus Amalgamator. Min. & Sci. Press, vol. 65, p. 25. 2½ columns. I.

Bennett Amalgamator. Min. & Sci. Press, vol. 71, p. 392. ¾ column. I.

A New Amalgamator. Min. & Sci. Press, vol. 73, p. 105. 1½ columns. I.

Dickson's Amalgamator. Min. & Sci. Press, vol. 42, p. 365. ½ column. I.

A Centrifugal Amalgamator. Min. & Sci. Press, vol. 43, p. 197. ⅓ column. I.

Kustel and Hoffman's Amalgamator. Min. & Sci. Press, vol. 35, p. 145. 1 column.

Stevenot's Free Gold Amalgamator. Min. & Sci. Press, vol. 38, p. 153. ⅔ column.

Huntington and Koch Amalgamator. Min. & Sci. Press, vol. 51, p. 325. 2 columns. I.

The Bennett Amalgamator. Min. & Sci. Press, vol. 76, p. 81. 2⅓ columns. I.

See Pan Amalgamation for further information on Amalgamators.

The Patio Process of Amalgamation

The Patio Process in San Dimas, Mexico. By R. E. Chism. T. A. I. M. E., vol. 11, p. 61.

A Study of Amalgamation Methods, Especially the Patio Process, with the Object of Avoiding the Loss of Mercury. By Miguel Bustamente, Jr. T. A. I. M. E., vol. 32, p. 484.

The Patio Process in Guanajuato, Mexico. By Roberto Fernandez. T. A. I. M. E., vol. 29, p. 116.

Diagrammatic Scheme of Patio Process. T. A. I. M. E., vol. 11, p. 76. I.

Notes on the Patio Process. By C. A. Stetefeldt. T. A. I. M. E., vol. 13, p. 369.

The Advantages and Drawbacks of the Mexican Patio Process and Its Cost. E. & M. J., vol. 34, p. 294. 1 column.

The Patio Amalgamation Process at Guanajuato, Mexico. E. & M. J., vol. 33, p. 104. 1¾ columns.

The Batopilas Method of Beneficiating Native Silver Ores by Raw Amalgamation. By F. A. Lowe. E. & M. J., vol. 34, p. 266. 4½ columns.

The Reactions of the Mexican Amalgamation Process. E. & M. J., vol. 34, p. 150. 1 column.

Stove Amalgamation: Allied to the Patio Process. Min. & Sci. Press, vol. 43, p. 24. ¼ column.

The Patio Process in Mexico. Min. & Sci. Press, vol. 69, p. 12. 1 column.

The Patio Process. Min. & Sci. Press, vol. 86, p. 193. 1½ columns. I.

The Modern Patio Process. By A. H. Halloran. Min. & Sci. Press, vol. 89, p. 289. 2 columns.

The Patio Process of Amalgamation of Silver-Ores. By Manuel V. Ortega. T. A. I. M. E., vol. 32, p. 276.

The Mexican or Patio Process of Reducing Silver Ores. By J. Nevin. T. F. I. M. E., vol. 9, p. 159. 12 pages. I.

The Patio Process in 1905. By J. W. Malcolmson. E. & M. J., Mar. 23, 1905, p. 564. 2½ columns. I.

The Patio Process in Mexico. By T. A. Rickard. Min. & Sci. Press, vol. 93, p. 599, 4 columns, I.; p. 627, 4 columns.

The Effect of Temperature on Amalgamation

Effect of Hot Water in Amalgamation. J. C. & M. Soc. S. A., vol. 2, p. 229. 1 page.

Temperature of Battery Water. Min. & Sci. Press, vol. 77, p. 505, 1¼ columns; vol. 78, p. 5, ¾ column; p. 58, ¼ column; p. 62, ½ column; p. 202, ⅓ column; and p. 206, ¾ column.

Temperature in Amalgamation. E. & M. J., vol. 65, pp. 126, 157, 247, 337, 397.

Note on the Influence of Temperature in Gold Amalgamation. By F. F. Sharpless. E. & M. J., vol. 66, p. 183, ⅔ column; and p. 370.

Mercury and Amalgam, Their Treatment and Loss.

Making of Sodium Amalgam. Min. & Sci. Press, vol. 81, p. 504.

Quicksilver. Min. & Sci. Press, vol. 84, p. 4. 4¾ columns.

Quiescent Mercury for Amalgamation. Min. & Sci. Press, vol. 51, p. 276. 1 column.

The Hydrogen-Amalgam Process. Min. & Sci. Press, vol. 53, p. 184. ⅞ column.

Amalgam of Mercury and Steel and Mercury and Cast Iron. Min. & Sci. Press, vol. 25, p. 147. 1¼ columns.

Amalgams. Min. & Sci. Press, vol. 30, p. 76. 2 columns.

Quicksilver in Hydraulic Mining. Min. & Sci. Press, vol. 28, p. 248. ¾ column.

Hydrogen Amalgam. Min. & Sci. Press, vol. 37, p. 236. 1 column.

Amalgamation Assay and Panning Assay. Min. & Sci. Press, vol. 72, p. 24. 1 column.

Treatment of Amalgam (in California Mills). Min. & Sci. Press, vol. 73, p. 276. 1 column.

New Method of Separating Gold from Impure Amalgam. Min. & Sci. Press, vol. 68, p. 40. ⅔ column.

Loss of Quicksilver in Milling. Min. & Sci. Press, vol. 45, p. 360. ½ column.

Cleaning Quicksilver. Min. & Sci. Press, vol. 41, p. 313. ⅔ column. I.

Quicksilver Notes. Min. & Sci. Press, vol. 37, p. 56. 1½ columns.

The Quicksilver Works of California. Min. & Sci. Press, vol. 37, p. 88. 2 columns.

Quicksilver Production of California. Min. & Sci. Press, vol. 39, p. 65. ¾ column.

Refining Gold and Silver Amalgam. Min. & Sci. Press, vol. 40, p. 2. ⅔ column.

Wiegand's Amalgam Refining. Min. & Sci. Press, vol. 40, p. 98. 2 columns.

The Absorption of Sulphur by Gold and Its Effects in Retarding Amalgamation. By W. Skey. E. & M. J., vol. 11, p. 52. ⅔ column.

Sodium Amalgam. Min. & Sci. Press, vol. 13, p. 194, 2 columns; p. 242, ⅔ column; p. 370, 3 columns; and p. 402, 2 columns.

Cleaning of an Iron-Amalgam. Min. & Sci. Press, vol. 25, p. 305. 1 column.

Coal and Quicksilver: Consumption and Supply in California Mills. Min. & Sci. Press, vol. 26, p. 10. ¾ column.

Loss of Quicksilver. Min. & Sci. Press, vol. 27, p. 161. ⅔ column. I.

The Loss of Quicksilver. Min. & Sci. Press, vol. 23, p. 51, ⅔ column; p. 177, ½ column; and p. 227, ½ column.

On the Causes of Loss of Quicksilver in Amalgamating Silver. Min. & Sci. Press, vol. 23, p. 305. 1 column.

What Becomes of the Quicksilver? Min. & Sci. Press, vol. 26, p. 258. ⅓ column.

Purifying Quicksilver. Min. & Sci. Press, vol. 28, p. 33. ⅓ column.

"Alloy" and "Amalgam": Derivation of the Terms. Min. & Sci. Press, vol. 32, p. 375. ½ column.

Cleaning Iron-Amalgam. Min. & Sci. Press, vol. 34, p. 344. ½ column.

The Utilization of Sodium in Gold and Silver Amalgamation. By H. Wurtz. Am. Jour. Min., vol. 2, p. 10, 2 columns +; vol. 1, p. 409, 1½ columns; and p. 393, 1½ columns.

Sodium Amalgam. Am. Jour. Min., vol. 1, p. 107. ⅔ column.

Cleaning Amalgam. E. & M. J., vol. 79, p. 765. 1 column.

The "Flouring" and "Sickening" of Mercury. By T. A. Rickard. E. & M. J., vol. 59, p. 460. 1⅛ columns.

The Treatment of Amalgam in the Transvaal. E. & M. J., vol. 66, p. 578. ⅔ column.

Amalgam Retorts and Other Apparatus

A Laboratory Amalgamating Device. By H. H. Guess. Min. & Sci. Press, vol. 83, p. 130. 1¾ columns. I.

Retorting Gold Amalgam. Min. & Sci. Press, vol. 53, p. 361. ¾ column. I.

Amalgam Strainers. Min. & Sci. Press, vol. 61, p. 49. 2 columns. I.

Quicksilver Condenser and Flues. Min. & Sci. Press, vol. 59, p. 89, 3 columns, I.; p. 109, 2 columns, I.

Coarse Ore Quicksilver Furnace. Min. & Sci. Press, vol. 62, p. 233. 1 column. I.

Improved Amalgam Trap. Min. & Sci. Press, vol. 67, p. 177. ½ column.

Shaking Amalgamating Plates. E. & M. J., vol. 80, p. 265. ⅔ column.

Retorting Amalgam. Min. & Sci. Press, vol. 50, p. 316. ⅞ column. I.

Retorts and Melting Furnaces. Min. & Sci. Press, vol. 64, p. 387, 3 columns, I.; and vol. 65, p. 105, 7/8 column, I.

Retorting Silver Amalgam in Vacuo. Min. & Sci. Press, vol. 49, p. 229. 3½ columns. I.

Amalgam Retort and Condenser. Min. & Sci. Press, vol. 48, p. 209. ⅓ column. I.

Baker's Quicksilver Feeding Machine. Min. & Sci. Press, vol. 51, p. 385. ½ column. I.

Du Bois' Automatic Quicksilver Feeder for Gold Mills. Min. & Sci. Press, vol. 42, p. 349. 1 column. I.

Improved Process for Elevating Quicksilver in Quartz Mills. Min. & Sci. Press, vol. 25, p. 81. ⅞ column. I.

Elevation of Quicksilver in Mills to Avoid Handling and Scattering. Min. & Sci. Press, vol. 25, p. 169. 3 columns. I.

An Improved Quicksilver Strainer. Min. & Sci. Press, vol. 30, p. 145. 2 columns. I.

Amalgamating Machinery of the Fryer Process. Min. & Sci. Press, vol. 32, p. 289. 2½ columns. I.

Paul's Patent Amalgam Safe and Mercury Discharger. Min. & Sci. Press, vol. 32, p. 337. ¾ column. I.

Mackay's Amalgam Press. E. & M. J., vol. 71, p. 83. 1¼ columns. I.

Amalgamation Table Treatment: Liquid for Cleaning Tables, etc., El Callao Mill, Venezuela. T. I. M. & M., vol. 9, p. 110.

Testing Gold Ores for Treatment by Concentration and Amalgamation to Determine the Best Method. By H. Van F. Furman. M. & M., vol. 19, p. 481. 6 columns. I.

Notes on a Laboratory Amalgamating Device and Comparisons with Actual Mill Results. By H. H. Guess. J. C. M. I., vol. 1, p. 10. 5 pages. I.

Electrostatic Separation

The Blake-Morscher Electrical Ore Separator. By A. M. Plumb. Min. Mag., vol. 11, p. 515. 10 columns. I.

Electrostatic Separation. E. & M. J., vol. 80, p. 505. 1½ columns. I.

The Sutton-Steele Electrostatic Magnetic Separator. E. & M. J., vol. 80, p. 253. 1 column. I.

Static Electricity in Ore Dressing. By W. G. Swart. E. & M. J., vol. 80, p. 351. 1½ columns. I.

Electrostatic Apparatus. E. & M. J., vol. 80, p. 218. ¼ column. I.

Static Electricity Applied to Ore-Dressing. By W. G. Swart. E. & M. J., vol. 75, p. 146. 2⅔ columns. I.

Electrostatic Concentration. By L. I. Blake. E. & M. J., vol. 79, p. 1036. 6 columns. I.

Electrostatic Separation. Rept. Zinc Comm., Canada, p. 118. 3½ pages. I.

The Blake-Morscher Electrostatic Separator. By E. A. Weinberg. T. I. M. & M., vol. 14, p. 169. 17½ pages. I.

Electrostatic Separation. By J. M. McClave. M. & M., vol. 27, p. 514. 1 column.

Magnetic Separation

The Magnetic Properties of Iron and Steel at Liquid Air Temperatures. By C. C. Trowbridge. Sch. Mines Quart., vol. 24, p. 72. 12 columns. I.

Investigations of Magnetic Fields, with Reference to Ore-Concentration. By W. R. Crane. T. A. I. M. E., vol. 31, p. 405. I.

Magnetic Properties of Minerals. E. & M. J., vol. 55, p. 322.

Observations on Magnetism. E. & M. J., vol. 78, p. 863. 1½ columns.

The Electrical and Magnetic Properties of the Iron Carburets. By Carl Barus. Sch. Mines Quart., vol. 7, p. 24. 10 pages.

Determination of the Specific Electrical Resistance of Coal, Ores, etc. By G. C. Wood. T. I. M. E., vol. 30, p. 99. 11½ pages.

An Experimental Determination of Air-Gap Reluctance. By C. H. Smoot. J. W. Soc. E., vol. 10, p. 500. 12 pages. I.

The Magnetic Separating Machine at Pribram. E. & M. J., vol. 32, p. 237. 1 column. I.

The Chase Magnetic Ore-Separator. By H. S. Chase. T. A. I. M. E., vol. 21, p. 503.

Magnetic Separators. Engineering, London, vol. 73, p. 608, ⅔ column; vol. 69, p. 121, ½ column, I.; vol. 68, p. 470, 9 columns, I.; p. 508, 5 columns, I.

Types of Successful Magnetic Concentrators. J. C. M. I., vol. 6, p. 20.

The Wenström Magnetic Separator. By R. A. Cook. T. A. I. M. E., vol. 17, p. 599.

A New Magnetic Separator. E. & M. J., vol. 67, p. 503. ⅔ column. I.

The Ball-Norton Electro-Magnetic Separator. By C. M. Ball. T. A. I. M. E., vol. 19, p. 187.

The Wetherill Magnetic Separator. T. A. I. M. E., vol. 26, pp. 357, 358, 359.

Electric Ore Concentrator. Min. & Sci. Press, vol. 82, p. 170.

The Snyder Magnetic Separator. By F. T. Snyder. E. & M. J., vol. 80, p. 396. 5 columns. I.

The Imperial Magnetic Ore Separator. E. & M. J., vol. 80, p. 457. 1½ columns. I.

The Edison Magnetic Separator. E. & M. J., vol. 46, p. 481. 1 column. I.

Magnetic Concentration of Zinc Ore in Virginia. E. & M. J., vol. 77, p. 1001. 8 columns. I.

The Odling Magnetic Separator. E. & M. J., vol. 78, p. 904. 1¾ columns. I.

The Ball & Norton Magnetic Separator. E. & M. J., vol. 81, p. 75. 3 columns. I.

Edison's Magnetic Ore Separator. Min. & Sci. Press, vol. 40, p. 401. ½ column. I.

The Dings Magnetic Separator. E. & M. J., vol. 81, p. 749. 3 columns. I.

Edison's Magnetic Ore Separator. Min. & Sci. Press, vol. 42, p. 29. 2 columns. I.

Electro-Magnetic Separators: Knowles Magnetic Separator. By W. R. Crane. M. & M., Dec., 1904, p. 224.

The Wenström Magnetic Ore-Separator. Min. & Sci. Press, vol. 59, p. 335. 4 columns. I.

Electro-Magnetic Apparatus for Separating Ores. Min. & Sci. Press, vol. 56, p. 37. ¾ column. I.

Edison's Magnetic Separator. Min. & Sci. Press, vol. 72, p. 88. 1½ columns.

Ball & Norton Single Drum Magnetic Separator. E. & M. J., vol. 81, p. 1082. I.

The Wetherill Type "F" (Rowand) Separator. E. & M. J., vol. 81, p. 1084. I.

A Magnetic Separator. By W. R. Crane. Min. & Sci. Press, vol. 88, p. 300. 3½ columns. I.

Magnetic Separators: Ten Forms, with Names of Companies and Addresses. Rept. Zinc Comm., Canada, p. 102. 16 pages. I.

Magnetic Separators: Gröndal, Wenström-Cobber, Froding, Knut Eriksson, Forsgren, and Gröndal-Cobber. E. & M. J., vol. 83, pp. 890, 895. I.

The Ferraris Magnetic Separator. E. & M. J., vol. 82, p. 1129. 1½ columns. I.

MAGNETIC CONCENTRATION AT TILLY FOSTER. By F. H. McDowell. T. A. I. M. E., vol. 21, p. 519.

PRACTICAL RESULTS IN THE MAGNETIC CONCENTRATION OF IRON-ORE. By W. H. Hoffman. T. A. I. M. E., vol. 20, p. 602.

THE MAGNETIC CONCENTRATION OF IRON-ORE. T. A. I. M. E., vol. 20, p. 575.

MAGNETIC SEPARATION. Sch. Mines Quart., vol. 21, p. 239. 4 pages. I.

NOTE ON THE MAGNETIC SEPARATION OF IRON-ORE AT THE SANFORD ORE-BED, MARIAH, ESSEX COUNTY, N. Y., IN 1852. By W. P. Blake. T. A. I. M. E., vol. 21, p. 378.

MAGNETIC SEPARATION IN SWEDEN. E. & M. J., vol. 64, p. 696.

ON THE TREATMENT OF NEW ZEALAND MAGNETIC IRON SANDS. By E. M. Smith. E. & M. J., vol. 61, p. 566. 1½ columns.

THE WETHERILL SYSTEM OF MAGNETIC CONCENTRATION. E. & M. J., vol. 61, p. 564. 2 columns. I.

NORTH CAROLINA IRON ORES AND MAGNETIC CONCENTRATION. By W. B. Phillips. E. & M. J., vol. 57, p. 490. 1½ columns.

RECENT PRACTICE IN MAGNETIC SEPARATION IN SWEDEN. By H. C. McNeill. E. & M. J., vol. 68, pp. 608, 4 columns; and p. 640, I.

MAGNETIC SEPARATOR AT THE PIERREFITTE MILL, FRANCE. T. I. M. & M., vol. 10, p. 460. I.

MAGNETIC ORE SEPARATION AT EDISON, N. J. Engineering, London. vol. 64, p. 579. 10 columns. I.

PROGRESS IN MAGNETIC CONCENTRATION OF IRON ORE. By J. W. Wells. J. C. M. I., vol. 6, p. 6. 14 pages. I.

THE EXTRACTION OF MAGNETIC PARTICLES FROM AURIFEROUS AND OTHER ORES. By W. B. Bassett. T. F. I. M. E., vol. 4, p. 53. 6 pages.

MAGNETIC TREATMENT IN SAXONY. Sch. Mines Quart., vol. 15, p. 124. 2 pages. I.

THE WARING SYSTEM OF MAGNETIC CONCENTRATION. E. & M. J., vol. 72, p. 328. 3½ columns. I.

PROGRESS IN MAGNETIC CONCENTRATION OF IRON-ORE. By J. Birkinbine. T. A. I. M. E., vol. 19, p. 656.

SOME APPLICATIONS OF THE WETHERILL PROCESS OF MAGNETIC SEPARATION. By W. R. Ingalls. E. & M. J., vol. 71, p. 399. 2½ columns. I.

ORE-DRESSING BY ELECTRICITY AT THE TILLY FOSTER MINE. By F. H. McDowell. T. A. I. M. E., vol. 19, p. 71.

MAGNETIC-CONCENTRATION AT THE MICHIGAMME IRON-MINE, LAKE SUPERIOR. By J. C. Towle. T. A. I. M. E., vol. 19, p. 62.

NOTES ON MAGNETIZATION AND CONCENTRATION OF IRON-ORE. By W. B. Phillips. T. A. I. M. E., vol. 25, p. 399.

THE MAGNETIC SEPARATION OF IRON-ORE. By C. M. Ball. T. A. I. M. E., vol. 25, p. 533.

SOUTHERN MAGNETITES AND MAGNETIC SEPARATION. By H. S. Chase. T. A. I. M. E., vol. 25, pp. 551 and 1015.

THE MAGNETIC SEPARATION OF NON-MAGNETIC MATERIAL. By H. A. J. Wilkens and H. B. C. Nitze. T. A. I. M. E., vol. 26, pp. 351 and 1089.

ELECTRO-MAGNETIC GOLD EXTRACTION PROCESS. Min. & Sci. Press, vol. 85, p. 142.

MAGNETIC SEPARATION OF PYRRHOTITE AND CHALCOPYRITE. E. & M. J., vol. 80, p. 1212. 1½ columns.

ELECTRO-MAGNETIC ORE-DRESSING AT THE FRIEDRICHASEGEN MINE, OBERLAHUSTEIN, GERMANY. E. & M. J., vol. 38, p. 21. 1½ columns. I.

NOTES ON THE MAGNETIC SEPARATION OF ZINC-IRON SULPHIDES: With Observations on Preparatory Wet Concentration. By Guy H. Elmore. Mining Reporter, Denver, Dec. 18, 1903.

THE MECHERNICH SYSTEM OF MAGNETIC CONCENTRATION. E. & M. J., vol. 74, p. 581. ½ column.

MAGNETIC SEPARATION OF ZINC BLENDE AT DENVER, COLO. E. & M. J., vol. 74, p. 217. ¼ column.

MAGNETIC SEPARATION OF ORES. By S. W. Osgood. E. & M. J., vol. 76, p. 349. 1½ columns. I.

MAGNETIC SEPARATION OF TIN AND WOLFRAM AT GUNNISLAKE CLITTERS. By E. Skewes. E. & M. J., vol. 76, p. 424. 1¼ columns.

CONCENTRATION OF MAGNETIC IRON ORE AT WELDON, N. J. By A. Sohlin. E. & M. J., vol. 52, p. 588. 1 column. I.

MAGNETIC SEPARATION OF IRON ORES AT NASSAU, GERMANY. E. & M. J., vol. 54, p. 437. I.

INTRODUCTION AND DEVELOPMENT OF MAGNETIC SEPARATION OF IRON ORE. By A. Sohlin. E. & M. J., vol. 53, p. 616, 2⅔ columns; p. 638, 5½ columns, I.; and p. 662, 5½ columns, I.

THE SEPARATION OF ORES BY MAGNETIC POWER. E. & M. J., vol. 18, p. 179. ½ column.

MAGNETIC SEPARATION OF IRON AND ZINC ORES. M. & M., Dec., 1904, p. 226.

THE BUCHANAN MAGNETIC SEPARATOR. E. & M. J., vol. 35, p. 133. 1 column. I.

THE MAGNETIC CONCENTRATION OF ORES. Min. & Sci. Press, vol. 83, p. 271. 2¼ columns. I.

MAGNETIC CONCENTRATION OF ORES. Min. & Sci. Press, vol. 76, p. 463. 5½ columns. I.

ELECTRO-MAGNETIC ORE DRESSING. By W. G. Swart. Min. & Sci. Press, vol. 86, p. 56, 3 columns; and p. 103.

MAGNETIC SEPARATION IN WISCONSIN. E. & M. J., vol. 82, p. 1008. 1¼ columns. D.

MAGNETIC CONCENTRATION OF ZINC ORES IN COLORADO. M. & M., vol. 28, p. 5. 1¾ columns.

MAGNETIC SEPARATION AT THE LYON MOUNTAIN MAGNETITE MINES, N. Y. E. & M. J., vol. 82, p. 917. 2 columns. I.

MAGNETIC SEPARATION IN WISCONSIN ZINC FIELDS. E. & M. J., vol. 82, p. 380, 3 columns; and p. 446, 2 columns.

MAGNETIC SEPARATION AT GALENA, ILLINOIS. E. & M. J., vol. 82, p. 482. 2 columns.

MAGNETIC SEPARATION OF ZINC-LEAD ORES FROM PYRITE IN WISCONSIN. E. & M. J., vol. 82, p. 152. 3 columns.

MAGNETIC SEPARATING PLANT OF THE DELAWARE AND HUDSON COMPANY. E. & M. J., vol. 84, p. 581. 1 column.

MAGNETIC SEPARATION OF IRON ORE IN SWEDEN. By G. W. Petersson. E. & M. J., vol. 83, p. 889. 22 columns. I.

MAGNETIC SEPARATION OF ZINC ORES. Rept. Zinc Comm., Canada, p. 82. 20 pages.

MAGNETIC SEPARATION. By F. T. Snyder. J. C. M. I., vol. 7, p. 270. 13 pages.

ROASTING AND MAGNETIC SEPARATION OF A BLENDE-MARCASITE CONCENTRATE. By H. O. Hoffman. T. A. I. M. E., vol. 35, p. 948. 20 pages. I.

ROASTING FOR MAGNETIC CONCENTRATION OF ZINC ORES. By F. H. Trego. E. & M. J., vol. 83, p. 613. 9½ columns. I.

CALCINING PYRITE AND BLENDE-SIDERITE ORE FOR MAGNETIC CONCENTRATION. E. & M. J., vol. 84, p. 318.

Concentrators, Tables, Buddles, etc.

THE "FIVE" CONCENTRATOR. Min. & Sci. Press, vol. 49, p. 37. 2½ columns. I.

THE TRIUMPH ORE CONCENTRATOR. Min. & Sci. Press, vol. 49, p. 97. 1 column. I.

The Duncan Ore Concentrator. Min & Sci. Press, vol. 49, p. 113. 3¾ columns. I.

The Frue Concentrator. Min. & Sci. Press, vol. 49, p. 129. 2½ columns. I.

The Embrey Concentrator. Min. & Sci. Press, vol. 50, p. 33, ⅞ column, I.; E. & M. J., vol. 32, p. 320, 1 column.

The New Peck-Montana Concentrator. By G. W. Winter. E. & M. J., vol. 69, p. 375. 3 columns. I.

The Union Ore Concentrator: With Sulphuret Discharge Roller. E. & M. J., vol. 62, p. 29. 1 column. I.

The McGlen Concentrator. Min. & Sci. Press, vol. 67, p. 35. 1 column. I.

The Blasdel Concentrator Belt. Min. & Sci. Press, vol. 67, p. 33. ⅔ column. I.

The Union Ore Concentrator. Min. & Sci. Press, vol. 72, p. 221. 4 columns. I.

The Springer Concentrator. Min. & Sci. Press, vol. 73, p. 85. 2 columns. I.

Woodbury Side Shake Vanner. Min. & Sci. Press, vol. 73, p. 233. ½ column. I.

The Holland Woolen Belt Concentrator. Min. & Sci. Press, vol. 60, p. 337. I.

The Garnier Ore Concentrator. Min. & Sci. Press, vol. 62, p. 33. 1 column. I.

The Woodbury Ore Concentrator. Min. & Sci. Press, vol. 62, p. 177. 1 column. I.

Tullock's Concentrator. Min. & Sci. Press, vol. 63, p. 17. 1 column. I.

Clarkson-Stanfield Concentrator. Min. & Sci. Press, vol. 63, p. 227. ½ column. I.

Centrifugal Gold Extracting Process. Min. & Sci. Press, vol. 63, p. 245. 4 columns. I.

Heslep and Cochrane's Improved Concentrator. Min. & Sci. Press, vol. 19, p. 17. 1½ columns.

The Coleman Sulphuret Saver. Min. & Sci. Press, vol. 26, p. 339. ⅔ column. I.

Peer and Lundquist's Concentrator. Min. & Sci. Press, vol. 27, p. 273. 1½ columns. I.

The Dodge Ore Concentrator. Min. & Sci. Press, vol. 41, p. 397. 3 columns. I.

The National Concentrator (Bumping). Min. & Sci. Press, vol. 43, p. 13. 1 column. I.

Patten's Rocking and Percussion Concentrator. Min. & Sci. Press, vol. 44, p. 257. ½ column. I.

The Batchly Concentrator. Min. & Sci. Press, vol. 45, p. 153. 1 column. I.

Metcalf's Ore Concentrator. Min. & Sci. Press, vol. 45, p. 177. ¾ column. I.

The Duncan Concentrator. Min. & Sci. Press, vol. 45, p. 209. ⅔ column. I.

Some Modern Forms of Milling Machinery. By F. T. Snyder. T.F.C.M.I., vol. 3, p. 65. 8 pages. I.

Nome Gold Separator. Min. & Sci. Press, vol. 80, p. 369. 1½ columns. I.

German Concentrating Machinery. E. & M. J., vol. 57, p. 464. 2 columns. I.

The Huseman Concentrator. E. & M. J., vol. 56, p. 35. ½ column.

The Tierra Seca Gold Separator. E. & M. J., vol. 57, p. 341. 1⅓ columns. I.

The Johnston Concentrator. E. & M. J., vol. 56, p. 78. ½ column. I.

A Cornish Concentrator. By E. Walker. E. & M. J., vol. 83, p. 904. 2 columns. I.

The Pinder Concentrator. E. & M. J., vol. 76, p. 933. 2 columns. I.

The Buss Swinging Table. T. I. M. & M., vol. 15, p. 12. 4 pages. I.

The Acme Combined Concentrating Table. By L. H. L. Huddart. T. I. M. & M., vol. 15, p. 299. 5½ pages. I.

Plane vs. Corrugated Belts for Vanners. By O. F. Pfordte. T. A. I. M. E., vol. 21, p. 280.

Mexican Plannillas: A Primitive Method of Concentration which has been in Use in Mexico since Ancient Times. By E. E. Payne. M. & M., Oct., 1902, p. 108. 2 columns. I.

The Sperry Vanning Buddle. By E. A. Sperry. T. A. I. M. E., vol. 34, pp. 572 and 980. I.

The Sperry Vanning Buddle: A Description of an Improved Buddle Especially Suited to Concentrating Ores that are Inclined to Slime. By E. A. Sperry. M. & M., May, 1904, p. 474. 6½ columns. I.

The Linkenbach Buddle. By R. P. Rothwell. T. A. I. M. E., vol. 11, p. 475.

Concentrating Tables, with a Discussion of the Principles of Concentration and Their Application in Practice. By C. W. Comstock. M. & M., Mar., 1905, p. 401. 4½ columns.

The Cammett Concentrator. E. & M. J., vol. 67, p. 439. 1¼ columns. I.

The Ellis Concentrator-Vanner. E. & M. J., vol. 62, p. 297. ½ column. I.

Round Tables and Buddles in the Joplin Lead and Zinc Region. Coll. Engr. & Met. Miner, vol. 17, pp. 309, 311. I.

The Canvas Table Plant of the Mitchell and Mussigbrod Mill at Garnet, Mont. By P. S. Mussigbrod. E. & M. J., vol. 72, p. 5. 2 columns. I.

Concentration of Pulp on Tables. By Geo. Johnson. M. & M., Dec., 1904, p. 240.

The Stein Vanner. By J. W. Meier. E. & M. J., vol. 54, p. 367. 2 columns. I.

A New Slime Table: The Sperry Vanner. E. & M. J., vol. 77, p. 484. 2 columns. I.

Another Concentrator (Corning). By F. G. Corning. E. & M. J., vol. 42, p. 150. 2½ columns. I.

The Buss Concentrating Table. By E. Walker. E. & M. J., vol. 78, p. 186. 3 columns. I.

The Imlay Ore Concentrator. E. & M. J., vol. 32, p. 336. ½ column. I.

The Frue Vanner. E. & M. J., vol. 24, p. 386, 1½ columns, I.; and vol. 20, p. 128, 1 column, I.

Blanket Strakes. Min. & Sci. Press, vol. 25, p. 230. 1½ columns.

Bryan's Self-Discharging Blanket Concentrator. Min. & Sci. Press, vol. 18, p. 33. 2 columns. I.

Frue's Concentrating Percussion Table. Min. & Sci. Press, vol. 34, p. 201. ½ column. I.

Rittinger's Double Concussion Table. Min. & Sci. Press, vol. 34, p. 217. I.

Richards Improved Buddle. Min. & Sci. Press, vol. 35, p. 153. ⅔ column. I.

The Gales Canvas Plant. By W. S. Hutchinson. Min. & Sci. Press, vol. 73, p. 277. 2⅓ columns. I.

Placing Frue Vanners. Min. & Sci. Press, vol. 46, p. 145. 1 column. I.

The Triumph Concentrator. Min. & Sci. Press, vol. 47, p. 97. 2 columns. I.

The Golden Gate Concentrator. Min. & Sci. Press, vol. 57, p. 141. 1½ columns. I.

The Victor Concentrator. Min. & Sci. Press, vol. 57, p. 325. 2 columns. I.

Dodge's Slime Concentrator. Min. & Sci. Press, vol. 59, p. 41. 1¼ columns. I.

Smyth's Shaking Table, Used at End of Mill Sluice. Min. & Sci. Press, vol. 59, p. 121. 2 columns. I.

HINKLE'S CENTRIFUGAL MILL AND SLUMMER. Min. & Sci. Press, vol. 60, p. 229. 1 column. I.

A CONCENTRATING BUDDLE. Min. & Sci. Press, vol. 54, p. 221. ⅓ column. I.

SAVING FINE AND FLOUR GOLD: Sluice of Burlap. Min. & Sci. Press, vol. 54, p. 21. ½ column. I.

STRAKES FOR SAVING GOLD. Min. & Sci. Press, vol. 54, p. 52. 1 column.

SAVING FLOURED QUICKSILVER. Min. & Sci. Press, vol. 54, p. 105. ⅔ column.

SAVING FINE GOLD. Min. & Sci. Press, vol. 54, p. 125. 2½ columns. I.

PERCUSSION TABLE FOR DRESSING ORES. Min. & Sci. Press, vol. 61, p. 83. ½ column. I.

THE HENDY-NORBOM CONCENTRATOR. Min. & Sci. Press, vol. 72, p. 41. 1½ columns. I.

THE CARD CONCENTRATOR. Min. & Sci. Press, vol. 86, p. 382. 2 columns. I.

COARSE CONCENTRATION WITHOUT SIZING: Work of Bartlett Table. Min. & Sci. Press, vol. 82, p. 5. ½ column.

THE FRUE CONCENTRATOR. By W. McDermott. T. A. I. M. E., vol. 3, p. 357.

THE WALL TABLE. E. & M. J., vol. 82, p. 1011. 1 column.

THE DEISTER CONCENTRATOR. E. & M. J., vol. 82, p. 316. ¾ column.

THE SHERMAN CONCENTRATING TABLE. By C. E. Arnold. Min. & Sci. Press, vol. 94, p. 600. 2 columns. I.

THE DEISTER CONCENTRATOR AT THE BALTIC MILL. By L. S. Austin. Min. & Sci. Press, vol. 94, p. 33. 2 columns. I.

CORNISH RAG FRAME (Table). E. & M. J., vol. 83, p. 992. I.

THE TRAYLOR CONCENTRATING TABLE. By R. Meeks. E. & M. J., vol. 84, p. 968. 1 column. I.

BLANKETS FOR SAVING GOLD: When Introduced into California. Min. & Sci. Press, vol. 54, p. 20. ¾ column.

A POINT IN CONCENTRATION: Operations of Tables. By M. A. Knapp. E. & M. J., vol. 75, p. 933. 3¾ columns. I.

Centrifugal Concentration

WORKING DRY GOLD PLACERS BY CENTRIFUGAL FORCE. Min. & Sci. Press, vol. 44, p. 338. 1 column.

BERRIGAN CENTRIFUGAL SEPARATOR FOR SLIMES. Min. & Sci. Press, vol. 87, p. 184. ½ column. I.

For additional information on CENTRIFUGAL CONCENTRATION, see CONCENTRATORS, etc.

Washing Coal and Mineral

COAL WASHING. By S. B. Peck. E. & M. J., vol. 84, p. 76. 4¾ columns. I.

THE PRINCIPLES OF COAL WASHING. M. & M., Aug., 1902, p. 36. 3½ columns.

THE BELLEVUE WASHERY OF THE D., L. & W. R. R. CO., SCRANTON, PA.: Methods and Machinery Employed in Handling and Separating Coal from Culm Banks. By Geo. W. Harris. M. & M., June, 1903, p. 481. 12 columns.

ORE-WASHING AT MONTEPONI, SARDINIA. E. & M. J., vol. 59, p. 199. 1 column. I.

THE CAMPBELL WASHER AND ORE SEPARATOR: Jigging and Vanning Combined. M. & M., May, 1905, p. 511. 3 columns.

THE ORE WASHING PLANT AT LONGDALE, VA. By G. R. Johnson. E. & M. J., vol. 57, p. 223. 2 columns. I.

COAL WASHING: A Description of the Coal Washing and Coking Plant at Tracy City, Tenn. By C. E. Bowron. M. & M., vol. 18, p. 57. 2 columns. I.

COAL WASHING: A Description of the Colorado Fuel and Iron Company's Washery at Sopris, Colo. By R. M. Hosea. Coll. Engr. & Met Miner, vol. 17, p. 478, 5 columns, I.; and p. 521, 8 columns, I.

COAL-WASHING: The Nature of the Impurities Found in Coal and Their Removal by the Lührig Process. By J. V. Schaefer. Coll. Engr. & Met. Miner, vol. 17, p. 249. 9 columns. I.

WASHING AND SIZING COAL: Various Methods Employed in the Mechanical Separation and Removal of Impurities. By F. W. Hardwick. Coll. Engr. & Met. Miner, vol. 17, p. 161. 5¾ columns.

IRON ORE MINING: The Mining and Washing of Iron Ores at Scotia, Pa. By H. H. Stock. Coll. Engr., & Met. Miner, vol. 16, p. 101. 4 columns.

DESCRIPTION OF THE LEAD-ORE WASHING-PLANT AT THE GREENSIDE MINES, POTTERDALE. By W. H. Borlase. T. I. M. E., vol. 25, p. 331. 8 pages. I.

CAMPBELL COAL-WASHING TABLE. By C. R. Claghorn. T. I. M. E., vol. 23, p. 435. 11 pages. I.

THE EVENCE COPPÉE COAL WASHERY. By C. M. Percy. Coll. Guard., London, vol. 59, p. 839, 3 columns, I.; and p. 877, 2¾ columns.

WASHING BITUMINOUS COAL. Engineering, London, vol. 63, p. 103. 2 columns. I.

THE LÜHRIG SYSTEM OF COAL-WASHING. By G. B. Walker. T. F. I. M. E., vol. 7, p. 392. 11 pages.

THE BAUM COAL-WASHING MACHINERY. By F. Baum. T. F. I. M. E., vol. 7, p. 156. 7 pages. I.

COAL-WASHING AT NORTH MOTHERWELL COLLIERY. By J. Hogg. T. F. I. M. E., vol. 6, p. 393. 6 pages. I.

THE MURTON COAL-WASHER. By W. O. Wood. T. F. I. M. E., vol. 9, p. 42. 4 pages. I.

THE CRAIG COAL-WASHER. By Wm. Scott. T. I. M. E., vol. 23, p. 179. 8 pages. I.

ARRANGEMENT OF COAL WASHING PLANT FOR TREATING BITUMINOUS COAL. By E. G. Tuttle. Sch. Mines Quart., vol. 17, p. 378. 22 pages. I.

THE ELLIOTT COAL WASHER. E. & M. J., vol. 61, p. 303. 1 column. I.

THE BRACEVILLE COAL WASHER, ILLINOIS. E. & M. J., vol. 62, p. 511. 1 column. I.

THE SOPRIS COAL-WASHING PLANT IN COLORADO. E. & M. J., vol. 62, p. 391. 1 column. I.

THE TENNESSEE COAL, IRON AND RAILROAD COMPANY'S COAL WASHING PLANT. E. & M. J., vol. 62, p. 129. 1 column. I.

BITUMINOUS COAL WASHING. By L. A. Harding and G. R. Delamater. M. & M., Apr., 1905, p. 451. 7½ columns. I.

BROWN HEMATITE ORES: Methods of Prospecting, Mining, and Washing the Soft Iron Ores of the Birmingham District, Alabama. By W. R. Crane. M. & M., Apr., 1905, p. 417. 7½ columns. I.

THE COAL-WASHING PLANT AT TRACY CITY, TENN. E. & M. J., vol. 64, p. 395. 2 columns. I.

WASHER FOR PLACER USE IN THE URAL MOUNTAINS, RUSSIA. By H. B. C. Nitze. E. & M. J., vol. 66, p. 305. I.

A GOLD WASHER. E. & M. J., vol. 66, p. 100. I.

THE BECKLEY-ROBINSON GOLD WASHER. E. & M. J., vol. 66, p. 521. 1 column. I.

THE YIELD OF THE REYNOLDS ANTHRACITE CULM BANK. By A. D. W. Smith. E. & M. J., vol. 67, p. 440. 2¼ columns. I.

THE BURNETT COAL WASHER. E. & M. J., vol. 68, p. 159. ½ column. I.

COAL WASHING BY THE STEWART SYSTEM: A Description of the Apparatus as Installed for Treating Bituminous Coal in Alabama. By D. T. Blakey. M. & M., Dec., 1903, p. 212.

Gold Gravel Washing in Eastern Siberia. By E. D. Levat. E. & M. J., vol. 63, p. 329. 1½ columns. I.

Washing Plants and Ripples for Placer Operations. By C. W. Purington. Min. Mag., Feb., 1905, p. 123. 14 columns. I.

The Modern Method of Coal Washing. By C. A. Meissner. J. M. Soc. N. S., Feb., 1903, 2 columns; and Min. Mag., Dec., 1904.

Coal Washing. By J. Fulton. T. A. I. M. E., vol. 3, p. 172.

Improvements in Coal-Washing, Elevating, and Conveying Machinery. By S. Sultz. T. A. I. M. E., vol. 12, p. 497.

Ore-Washer at Longdale, Virginia. By G. R. Johnson. T. A. I. M. E., vol. 24, pp. 34 and 847.

Coal-Washing. By S. Sultz. T. A. I. M. E., vol. 9, p. 461.

An Experiment in Coal-Washing. By T. M. Down. T. A. I. M. E. vol. 13, p. 341.

Native Gold Washing in Assam. E. & M. J., Feb. 2, 1905, p. 224. 1½ columns. I.

Notes on a Southern Coal-Washing Plant. By J. J. Ormsbee. T. A. I. M. E., vol. 25, pp. 113 and 990.

Views of Ramsey's Sludge Tank for Washing Coal. T. A. I. M. E., vol. 25, p. 120.

Diamond Washing Machines. Diamond Mines of South Africa, p. 254.

An Apparatus for the Removal of Sand from the Waste Water of Ore-Washers. By J. E. Johnson. T. A. I. M. E., vol. 28, pp. 225 and 841.

Ore-Cleaning in the Manganese Mines, Caucasus. T. A. I. M. E., vol. 28, p. 202.

The Coal Washer at Howe, Indian Territory: Methods of Mining and Handling the Coal and a Description of the Washing Plant. By W. R. Crane. M. & M., Mar., 1904, p. 371. 7 columns. I.

Brown Iron Ore Washing in Alabama: Construction and Method of Operating Log Washers. Conditions to which They are Adapted. By E. Ramsay and C. E. Bowron. M. & M., Dec., 1904, p. 254. I.

Washing of Anthracite Coal. M. & M., Dec., 1904, p. 245.

The Scaife Trough Washer. M. & M., Dec., 1904, p. 223.

Coal Washing in Alabama: Description of Plants. By E. Ramsay and C. E. Bowron. M. & M., Dec., 1904, p. 227.

Coal Washing in Great Britain: Methods Employed, Types of Jigs, Trough Washers and Washing Tables, Costs. By James Tonge. M. & M., Dec., 1904, p. 213.

Washing Bituminous Coals by the Lührig Process: Advantages of Washing. The Principles upon which the Success of the Process Depends. By J. V. Schaefer. M. & M., Mar., 1902, p. 366. 9 columns.

Washing Montana Coal: A Description of the Washery of the Montana Coal and Coke Company, at Aldridge, Park County, Mont. By J. V. Schaefer. M. & M., Dec., 1903, p. 228.

Type of Washing-Machine Used in the Ural. T. A. I. M. E., vol. 29, p. 13.

Principles of Coal Washing: Why, and to what Extent, Classification as to Sizes Affects the Separation of Minerals of Different Specific Gravity. By S. Diescher. M. & M., Aug., 1902, p. 36. 3½ columns.

The Eastern Coal and Coke Company's Washer at Cokedale, Kans. By W. R. Crane. E. & M. J., vol. 74, p. 373. 4 columns. I.

Coal-Washing and Separating Plant at Zollern, near Dortmund, Germany. E. & M. J., vol. 54, p. 4. 3 columns. I.

Practical Results from the Campbell Coal Washer. By W. B. Phillips. E. & M. J., vol. 55, p. 128. 2½ columns. I.

The Campbell Washing Machine on Copper Ores. E. & M. J., vol. 55, p. 294. 1½ columns.

Preparation of Coal for Market. 2d Pa. Geol. Surv., A. C., p. 443. 15 pages.

Bituminous Coal Washing. By L. A. Harding. M. & M., vol. 26, p. 577, 10 columns, I.; and vol. 25, p. 538, 5 columns.

Cleaning Bituminous Coal. E. & M. J., vol. 77, p. 557. 2 columns.

Coal Washing (Advantages of). By F. Koerner. E. & M. J., vol. 44, p. 3. 1 column.

Coal Washing. E. & M. J., vol. 78, p. 581. ⅔ column.

A Modern Method of Coal Washing (Campbell Washer). E. & M. J., vol. 78, p. 595. 2 columns. I.

The Hochstrate Coal-Washing System. E. & M. J., vol. 34, p. 159. 1 column. I.

Washing Diamonds. Min. & Sci. Press, vol. 21, p. 340. ½ column.

An English Coal Washing Plant. E. & M. J., vol. 58, p. 79. 2 columns. I.

Recovery of Water from Coal Washing. By F. W. Parsons. E. & M. J., vol. 81, p. 649. 1½ columns.

Ore-Dressing in Europe: Cleansing. Sch. Mines Quart., vol. 4, p. 182. 1 page.

Working Gold-Bearing Clays. Min. & Sci. Press, vol. 47, p. 169. ⅔ column. I.

Ore Washing in Cripple Creek, Colo. Min. & Sci. Press, vol. 90, p. 102. 2 columns.

Coal Washing in Illinois. By E. D. Meier. E. & M. J., vol. 22, p. 88. 4 columns. I.

Coal Washing: A Description of the Coal Washing Plant of the Donk Bros. Coal and Coke Company, at Collinsville, Ill. By D. F. Cameron. M. & M., Sept., 1901, p. 55. 6½ columns.

Anthracite-Washeries. By G. W. Harris. T. A. I. M. E., vol. 36, p. 610. 16 pages. I.

Coal Washing: A New Reciprocating Jig Lately Introduced in the Lower Connellsville Field. M. & M., vol. 27, p. 329. 1 column. I.

Treating Gold-Bearing Clays. Min. & Sci. Press, vol. 47, p. 49. 1 column. I.

Removal of Wood in Ore Dressing. By A. H. Wethey. E. & M. J., vol. 82, p. 743. 3 columns. I.

A Siphon Device for Removing Floating Material. By E. S. Wiard. Min. & Sci. Press, vol. 94, p. 155. 2⅔ columns. I.

Bibliography of Coal-Washing. By S. S. Wyer. T. A. I. M. E., vol. 37, p. 256. 9 pages.

Screening and Washing Coal at Brilliant, Alabama. T. A. I. M. E., vol. 37, p. 503. 2½ pages.

Slack-Washing: Preliminary Treatment for the Extraction of Fine Dust. By W. M. Mackey. T. I. M. E., vol. 27, p. 55. 8½ pages.

The Modern Method of Coal-Washing. By C. A. Meissner. T. M. Soc. N. S., vol. 8, p. 101. 6 pages.

Washing of Bituminous Coals by the Lührig Process. By J. V. Schaefer. J. W. Soc. E., vol. 6, p. 511. 18½ pages. I.

Bituminous Coal Washing. By G. R. Delamater. M. & M., vol. 28, p. 7, 7 columns; and p. 62, 7 columns. I.

Use of Log Washer in Treating Sulphide Ores. M. & M., vol. 28, p. 507. 1 column. I.

Clay Washing. By F. Lehman. E. & M. J., vol. 67, p. 592. ⅔ column.

The Effect of Sizing on the Removal of Sulphur from Coal by Washing. By C. C. Upham. T. A. I. M. E., vol. 28, pp. 486 and 854.

See Theory of Concentration, Jigs and Jigging, and Classification.

Hand Tests on Mineral

TESTING ORES BY VANNING. By R. Pearce. E. & M. J., vol. 76, p. 961. 4½ columns.

ACCURACY OF BATEA-WASHING. By C. Bullman. E. & M. J., vol. 53, p. 524. 1¼ columns.

A NOTE ON HAND CONCENTRATION TEST. By W. McDermott. T. I. M. & M., vol. 8, p. 408.

USE OF THE HORN SPOON. By J. C. Treadwell. E. & M. J., vol. 79, p. 1127. 1½ columns.

THE "BATEA." Min. & Sci. Press, vol. 29, p. 98. ½ column.

PROSPECTORS' HORN SPOON. Min. & Sci. Press, vol. 70, p. 277. ⅙ column.

ASSAYING WITH THE HORN SPOON. Min. & Sci. Press, vol. 53, p. 5. 1 column.

WASHING WITH GOLD-PAN. Min. & Sci. Press, vol. 45, p. 40. ½ column.

THE VANNING ASSAY FOR TIN ORES. E. & M. J., vol. 84, p. 31. 1 column.

PLACE AND VALUE OF SMALL SCALE ORE TESTS. By E. H. Simonds. Min. & Sci. Press, vol. 90, p. 251, 2⅓ columns; and p. 272, 3 columns.

NOTES FROM LABORATORY ON SOME IRON ORES FROM NOVA SCOTIA. By Wm. Smaill. T. M. Soc. N. S., vol. 1, pt. 3, p. 58. 10 pages. I.

SIMPLE ORE TESTS. Min. & Sci. Press, vol. 74, p. 283. ¼ column.

GOLD-DISH TESTS. By A. G. Charlton. I. M. & M., vol. 9, p. 69. 11½ pages.

PRELIMINARY EXAMINING OF MILLING ORES. By A. Harvey. Min. & Sci. Press, vol. 89, p. 289. 1¾ columns.

THE SELECTION OF A WORKING PROCESS. By C. M. Fassett. Min. & Sci. Press, vol. 81, p. 465. 1⅓ columns.

TESTING ORES FOR WORKING PROCESS. Min. & Sci. Press, vol. 66, p. 309. 2½ columns.

PLAIN TALK ON ORE TESTING. Min. & Sci. Press, vol. 73, p. 4. 1 column.

COAL TESTING BY A BUILT-UP SPECIFIC GRAVITY SOLUTION. E. & M. J., vol. 80, p. 314. ⅓ column.

AS TO ORE TESTING. Min. & Sci. Press, vol. 80, p. 493. ¾ column.

NOTES ON A MILL TEST. By Ben. Hodge. Min. Mag., vol. 13, p. 480. 8 columns. I.

Classifiers and Classification

HYDRAULIC CLASSIFIERS IN COAL WASHING PLANT. Sch. Mines Quart., vol. 17, p. 386. 4 pages.

THE KLEIN JIG AND THE KLEIN CLASSIFIER. By Ferdinand H. Regel. T. A. I. M. E., vol. 31, 1901, p. 619.

THE DIMMICK SIZER AND CLASSIFIER. M. & M., July, 1902, p. 545. ¾ column.

THE SPITZKASTEN AND SETTLING-TANK. By R. H. Richards and C. E. Locke. T. A. I. M. E., vol. 27, p. 249.

SETTLING-TANKS IN SILVER-MILLS. By A. Williams. T. A. I. M. E., vol. 11, p. 321.

A NEW HYDRAULIC SEPARATOR TO PREPARE ORES FOR JIGGING AND TABLE WORK. By R. H. Richards. T. A. I. M. E., vol. 11, p. 231.

CLASSIFYING TAILINGS BEFORE CONCENTRATION. E. & M. J., vol. 63, p. 88. ½ column.

ORE-DRESSING IN EUROPE: Hydraulic Classification. Sch. Mines Quart., vol. 4, p. 312. 10 pages.

A LABORATORY CLASSIFIER. By H. S. Munroe. Sch. Mines Quart., vol. 22, pp. 303 and 449. 4 pages.

A SIMPLE SAND WASHER. E. & M. J., vol. 78, p. 519. 1 column. I.

Wengler and Low's Apparatus for Classifying Low Grade Ores and the German System of Concentration. E. & M. J., vol. 22, p. 139, 2½ columns, I.; and p. 154, 2 columns, I.

Stream (Hydraulic) Concentrators (Classifiers). Min. & Sci. Press, vol. 34, p. 233. I.

The Wengler Classifier. Min. & Sci. Press, vol. 34, p. 73. ⅔ column. I.

Dodge's Sizing Boxes (Classifiers). Min. & Sci. Press, vol. 67, p. 81. ¼ column. I.

Settling Boxes (Spitzkasten). Min. & Sci. Press, vol. 61, p. 41. 1 column. I.

Spitzlutten. Min. & Sci. Press, vol. 61, p. 281. 2 columns. I.

Robinson's Hydraulic Concentrator (Classifier). Min. & Sci. Press, vol. 55, p. 337. 1 column. I.

Spitzkasten: Hydraulic Classifiers (Concentrators). Min. & Sci. Press, vol. 82, p. 158. 2¼ columns. I.

Klein's Combination Classifier. Min. & Sci. Press, vol. 85, p. 221. 1 column. I.

Hydraulic Classifier: Three-Compartment. Spitzkasten. Min. & Sci. Press, vol. 80, p. 490. I.

Classification as Applied to the Concentration of Finely Crushed Ore. By J. M. Callow. Min. & Sci. Press, vol. 91, p. 449. 1⅓ columns. I.

Spitzkasten at Great Boulder Mine, Western Australia. Min. & Sci. Press, vol. 89, p. 104. I.

A New Form of Spitzlutte. Min. & Sci. Press, vol. 89, p. 8. ⅓ column. I.

Hydraulic Classification. By S. R. Swain. Min. & Sci. Press, vol. 93, p. 180. 2 columns. I.

A Simple Device for Separating Sands from Slimes. By C. DeKalb. E. & M. J., vol. 82, p. 206. 1½ columns. I.

Classifiers Used at the Osceola Mill, Lake Superior. E. & M. J., vol. 83, p. 1181. 2 columns. I.

Classification of Mill-Products at El Oro, Mexico. T. A. I. M. E., vol. 37, p. 8. 5½ pages. I.

Notes on Classification. By T. L. Carter. P. C. M. & M. Soc. S. A., vol. 4, p. 281. 17 pages. I.

Spitzlutten. By H. Leupold. P. C. M. & M. Soc. S. A., vol. 5, p. 238. 3½ columns. I.

The Dorr Classifier. By J. N. V. Dorr. M. & M., vol. 28, p. 541. 2 columns. I.

The Ayton Intermittent Thick Pulp Extractor. E. & M. J., vol. 69, p. 441. ¾ column. I.

Slimes and Their Treatment

Treatment of Slimes in Saxony. Sch. Mines Quart., vol. 15, p. 16. 16 pages. I.

A Laboratory Slime Table. Sch. Mines Quart., vol. 22, p. 306. 2 pages. I.

Copper-Slime Treatment. By F. G. Coggin. T. A. I. M. E., vol. 12, p. 64.

Slimes Treatment in Montana. By M. W. Alderson. E. & M. J., vol. 66, p. 757. 2 columns. I.

Treatment of Slimes in Tanks with Conical Bottoms. E. & M. J., vol. 75, p. 482. 2 columns. I.

Slime Treatment in the Galena-Joplin Lead and Zinc District: Sludge Mills and the Methods Employed in Them. By W. R. Crane. M. & M., May, 1901, p. 465. 2½ columns. I.

Treatment of Slimes. E. & M. J., vol. 75, p. 440. ⅓ column.

"Sludge": Discussion. Engineering, London, vol. 69, p. 34. ¾ column.

What Constitutes Slimes? By W. J. Sharwood. Engineering, vol. 76, p. 538, 2 columns; and p. 650, ⅔ column.

Stirring or Mixing of Liquid Pulp. By M. P. Bass. E. & M. J., vol. 78, p. 1035. 2½ columns. I.

Hicks' Two-Decker Revolving-Frame for Dressing Slimes. E. & M. J., vol. 55, p. 295. I.

The Geyer Slime Concentrator. E. & M. J., vol. 37, p. 236. ½ column. I.

Slimes and Their Treatment. Min. & Sci. Press, vol. 34, p. 105, ¾ column; p. 124, ¾ column; p. 141, ½ column; p. 145, 1½ columns, I.; and p. 161, 1 column, I.

Saving Slimes, Lead-Silver. By W. C. Clark. M. & M., vol. 21, p. 343. 2¼ columns.

Saving Flour Gold. Min. & Sci. Press, vol. 38, p. 235. ½ column.

Fine Gold. Min. & Sci. Press, vol. 38, p. 302. ⅔ column.

The Coleman Sluice: A Machine for Saving Fine Gold. Min. & Sci. Press, vol. 38, p. 305. 1¼ columns.

Quantitative Determination of "Slimes" in Water. Min. & Sci. Press, vol. 37, p. 49. 1½ columns.

Catching Float Gold in Streams: "Fly-Catching." Min. & Sci. Press, vol. 46, p. 312. ½ column.

Saving Float Gold. Min. & Sci. Press, vol. 42, p. 217. ⅔ column.

Swinging Plates for Float Gold. Min. & Sci. Press, vol. 42, p. 237. ½ column. I.

Working Slimes and Tailings. Min. & Sci. Press, vol. 44, p. 144. 1 column.

Slime Treatment in the Joplin Region. By W. R. Crane. E. & M. J., vol. 77, p. 683. 7 columns.

The Slime Problem. By T. L. Carter. E. & M. J., vol. 77, p. 435. 7⅓ columns. I.

The Lead-Zinc Mines of Kansas and Missouri. M. & M., Dec., 1904, p. 210.

Saving Slimes (by Classifiers). Min. & Sci. Press, vol. 54, p. 249. 2 columns.

Definition of Slimes. E. & M. J., vol. 81, p. 380. Note.

Sand and Sediment Trap (for Use in Canals which Tend to Fill Up). Min. & Sci. Press, vol. 73, p. 175. 2 columns. I.

The Homestake Slime Plant. By Mark Ehle. M. & M., vol. 27, p. 358. 8½ columns. I.

Modern Slime Plant, Confidence Mine, Tuolumne County, California. Min. & Sci. Press, vol. 86, p. 215. 3 columns. I.

Treatment of Slimes. Min. & Sci. Press, vol. 76, p. 391, 2¾ columns; p. 416, 2 columns; p. 441, 1½ columns; p. 465, 1½ columns; and p. 490, 1½ columns.

Methods of Saving Flour Gold. By D. H. Stovall. Min. & Sci. Press, vol. 89, p. 377. 1 column. I.

Slime Separator, Sunshine, Utah. Min. & Sci. Press, vol. 85, p. 17. 1½ columns. I.

Notes on a Process for Treatment of Slimes without Filtration or Decantation. By A. James. T. I. M. & M., vol. 7, p. 63. 12½ pages.

What Is Slime? By M. P. Boss. Min. & Sci. Press, vol. 93, p. 473. ½ column.

Treatment of Slimes. Min. & Sci. Press, vol. 94, p. 177. 3 columns.

Slime Treatment in 1906. E. & M. J., vol. 83, p. 19. 1¾ columns.

The Travener Process for Gold Slimes. By L. A. E. Swinney. E. & M. J., vol. 83, p. 608. 6½ columns. I.

The A. and E. Slime Concentrator. E. & M. J., vol. 83, p. 713. 2 columns. I.

Slime Treatment at El Oro, Mexico. T. A. I. M. E., vol. 37, p. 24. 12 pages.

Values in Gold Sludge Dust. E. & M. J., vol. 84, p. 443. ½ column.

Slime-Dressing Machinery in the Copper Mines of South Australia. T. I. M. E., vol. 27, p. 479. 3 pages. I.

The Treatment of Battery Slines. By J. R. Williams. J. C. & M. Soc. S. A., vol. 2, p. 92. 6 pages. I.

The Economic Treatment of Slimes. J. C. & M. Soc. S. A., vol. 2, p. 238. 20 pages.

Definition of Slimes. J. C. & M. Soc. S. A., vol. 2, p. 305. 2 pages.

Discrepancies in Slime Treatment. By W. A. Caldecott. J. C. & M. Soc. S. A., vol. 2, p. 372, 9 pages; p. 414, 3 pages; p. 424, 9 pages; and p. 449, 8½ pages.

Slime Treatment at the Baltic Mill, Lake Superior. T. I. M. & M., vol. 14, p. 190. 1 page.

Slime Treatment in the Joplin Region. M. & M., vol. 28, p. 155, 2 columns, I.; and p. 162, 2 columns, I.

Losses in Milling

Losses of Gold in Mill Water. By A. Von Gernet. J. C. & M. Soc. S. A., vol. 2, p. 529, 2½ pages; and p. 602, 2 pages.

Calculation of Total Losses in Mechanical Treatment of Ores in Saxony. Sch. Mines Quart., vol. 15, p. 126. 11 pages.

Losses of Gold in Mill-Water on the Witwatersrand. E. & M. J., vol. 67, p. 441. 1½ columns.

The Losses in Copper Dressing at Lake Superior. By H. S. Munroe. T. A. I. M. E., vol. 8, p. 409.

The Losses in Dressing Cornish Tin Ores. E. & M. J., vol. 55, p. 295. ½ column. I.

Losses in Vanning Tin Ores. By R. Rearce. E. & M. J., vol. 77, p. 116. 2 columns.

Losses in Treatment at Kalgoorlie. E. & M. J., vol. 78, p. 633.

Estimation of Losses in Milling. Min. & Sci. Press, vol. 19, p. 313. ⅞ column.

Losses in Treatment of Almaden Ores. Min. & Sci. Press, vol. 37, p. 408. 1 column.

Loss of Gold in Milling. Min. & Sci. Press, vol. 37, p. 162, note; and vol. 38, p. 66, 1 column.

Saving of Gold (Losses). Min. & Sci. Press, vol. 48, p. 34. 1¼ columns.

Losses in Dressing Tin Ores. Min. & Sci. Press, vol. 66, p. 244. ⅓ column.

Loss of Gold in Milling Ores. Min. & Sci. Press, vol. 68, p. 308, 1¾ columns; p. 340, ⅓ column; and p. 356, ⅓ column.

Loss of Gold in Milling. Min. & Sci. Press, vol. 62, p. 354. ½ column.

Loss of Gold. Min. & Sci. Press, vol. 62, p. 226, 1⅞ columns; and p. 258, 1 column.

Losses in Treatment of Telluride Ores. By A. Montgomery. Min. & Sci. Press, vol. 90, p. 205. 2¼ columns.

A Rich Old Mill Site: Waste from Mill. Min. & Sci. Press, vol. 34, p. 262. ½ column.

Neglected Source of Gold Production: Concentrating Action of Rivers on Tailings and Slimes. Min. & Sci. Press, vol. 36, p. 184. 1¾ columns.

Loss of Gold in California Gold Mills. Min. & Sci. Press, vol. 25, p. 242. 2 columns.

Causes of Gold Mill Losses. Min. & Sci. Press, vol. 87, p. 368. 2½ columns.

Losses in Extraction of Gold by Amalgamation. Min. & Sci. Press, vol. 54, p. 154. 2¾ columns.

Losses in Amalgamation at the Comstock Lode. Min. & Sci. Press, vol. 62, p. 163. Table.

Losses in Concentration. Min. & Sci. Press, vol. 93, p. 743. ¼ column.

Losses in Gold Milling in Various Countries. Min. & Sci. Press, vol. 25, p. 242.

Saving Float Gold. Min. & Sci. Press, vol. 64, p. 322. 1 column.

Dry Concentration

The Dry Separation of Gold and Copper. By F. R. Carpenter. E. & M. J., vol. 63, p. 193. 1⅓ columns.

Dry Concentration in North Wales. E. & M. J., vol. 60, p. 55. 1½ columns.

Dry Concentration at Frisco, Utah. By H. V. F. Furman. Sch. Mines Quart., vol. 3, p. 127. 6 pages.

The Dry Concentration of Ores. By J. S. Newberry. Sch. Mines Quart., vol. 4, p. 1. 5 pages.

Dry Blowing of Gold in Kalgoorlie, Australia. T. A. I. M. E., vol. 28, pp. 95, 510, 511, 512–518.

Dry Blowing, as Carried out on the Various Goldfields of Western Australia. By J. A. Mactear. T. I. M. & M., vol. 3, pp. 331 and 332.

Hand-Picking or Dry Dressing. Sch. Mines Quart., vol. 21, p. 137. 7 pages.

A Dry Process for the Treatment of Complex Sulphide Ores. By H. Livingstone Sulman. T. I. M. & M., vol. 10, p. 430. 28 pages.

The "Crown" Dry Concentrating System. E. & M. J., vol. 71, p. 694. 1¾ columns. I.

Wood's Dry Placer Miner. E. & M. J., vol. 61, p. 276. 1 column. I.

Dry Blowers in Australian Gold Placers. E. & M. J., vol. 74, p. 482. 6 columns. I.

The Edison Dry Process for the Separation of Gold from Gravel. By C. M. Chapman. E. & M. J., vol. 75, p. 713. 2¾ columns. I.

The Problem of the Dry-Placers. By H. A. Mather. E. & M. J., vol. 76, p. 314. 2½ columns. I.

The Freid Gravity Dry-Process Separator. By D. McIean. E. & M. J., vol. 76, p. 970. 2 columns. I.

Dry Concentration of Antimony Ores. By J. Heard, Jr. E. & M. J., vol. 47, p. 187. 2 columns.

Dry Ore Concentration. By J. Heard. E. & M. J., vol. 42, p. 7. 3½ columns.

Wet vs. Dry Concentration. E. & M. J., vol. 77, p. 924. ¼ column.

Dry Ore Concentration at the Manhattan Silver Mill, Nevada. By A. Trippel. E. & M. J., vol. 24, p. 65. 2 columns.

Ore Concentration Without Water: Krom's Pneumatic Jig. E. & M. J., vol. 6, p. 225. 2½ columns.

Systematic Preparation of Mineralized Ores by Dry Crushing and Concentration. E. & M. J., vol. 13, p. 89, 2 columns; p. 106, 2 columns; p. 122, 2 columns; p. 129, 1¾ columns; p. 156, 1¾ columns; and p. 161, 3 columns.

Vincent's Dry Ore Concentrator. Min. & Sci. Press, vol. 30, p. 313. 1½ columns. I.

Krom's Dry Concentrators or Air Jigs: A Challenge. E. & M. J., vol. 42, p. 111, 1½ columns; p. 165, 1½ columns; p 182, 1 column.

Dry Concentration: Krom Jig. Min. & Sci. Press, vol. 31, p. 249. 2½ columns.

Air Jigs. E. & M. J., vol. 42, p. 237. 1¼ columns.

Dry Gold Separating Machine. Min. & Sci. Press, vol. 34, p. 70. ¼ column. I.

Sand and Gravel Separator: Wet or Dry. Min. & Sci. Press, vol. 33, p. 281. 1 column.

Working Dry Placers: Dry Concentrator. Min. & Sci. Press, vol. 35, p. 24. ¾ column.

The Prinz Improved Dust Collector. E. & M. J., vol. 40, p. 306. ½ column.

Concentration of Ores by Means of Air. E. & M. J., vol. 13, p. 169. ½ column.

Dry Concentration. E. & M. J., vol. 13, p. 180. 1⅔ columns.

Krom's Dry Ore Concentrator. Min. & Sci. Press, vol. 27, p. 257. 3 columns. I.

Dry Concentration: Hunter's Grain Separator. Min. & Sci. Press, vol. 17, p. 273. 1¼ columns. I.

Brodie's Patent Wind Blast Separator for Dry Crushing: Air Stamp. Min. & Sci. Press, vol. 13, p. 177. 1¾ columns. I.

Another Dry Placer Machine. Min. & Sci. Press, vol. 35, p. 168, ¾ column; and p. 312.

Working Dry Placers. Min. & Sci. Press, vol. 35, p. 248. 1 column.

Duhem and Bennett's Dry Placer Amalgamator. Min. & Sci. Press, vol. 35, p. 800. 1 column.

Wilhelm's Dry Placer Amalgamator. Min. & Sci. Press, vol. 35, p. 322. ⅞ column.

Waugaman's Dry Gold Washer. Min. & Sci. Press, vol. 41, p. 13. ¾ column. I.

The Harris Dry Gold Separator. Min. & Sci. Press, vol. 43, p. 373. ¾ column.

Bourne's Dry Gold Separator. Min. & Sci. Press, vol. 44, p. 225. ¾ column. I.

The Woods Dry Placer Miner. Min. & Sci. Press, vol. 72, p. 107. 1 column. I.

A Dry Placer Machine. Min. & Sci. Press, vol. 72, p. 201. 1 column. I.

Freeman's Dry-Gold Separator. Min. & Sci. Press, vol. 58, p. 145, 2 columns; p. 149, ½ column.

The Tierra Seca Gold-Extracting Machine. Min. & Sci. Press, vol. 62, p. 357. 2 columns. I.

The Crown Dry Ore Sizer and Concentrator. Min. & Sci. Press, vol. 81, p. 156. 2¾ columns. I.

Freid Gravity Dry Process Separator. Min. & Sci. Press, vol. 87, p. 403. 1½ columns. I.

Practice in Milling Ores.

Silver Mining and Milling at Butte, Mont. By W. P. Blake. T. A. I. M. E., vol. 16, p. 38.

Gold Prince Mine and Mill, Animas Forks, Colo. M. & M., vol. 27, p. 341. 7 columns. I.

Notes on Gold Milling in California. Min. & Sci. Press, vol. 71, p. 320, 1¾ columns; p. 336, 3 columns; p. 356, 2 columns; p. 372, 2 columns; p. 389, 1 column; p. 404; 3 columns; p. 424, 2⅔ columns; vol. 72, p. 4, 3 columns; p. 24, 7 columns; p. 46, 1½ columns; p. 64, 3 columns; p. 108, 1¾ columns; p. 125, 3 columns; p. 144, 2⅓ columns; p. 165, 4½ columns; p. 206, 1 column.

Milling Arizona Gold-Ores with a Colorado Stamp-Mill. By W. S. Morse. T. A. I. M. E., vol. 25, p. 130.

Gold-Milling in the Black Hills. By H. O. Hofman. T. A. I. M. E., vol. 17, p. 498.

Milling at the Alaska-Treadwell. By R. A. Kinzie. E. & M. J., vol. 76, p. 544. 10½ columns. I.

Gold-Milling in the Black Hills, South Dakota, and at Grass Valley, Cal. By T. A. Rickard. T. A. I. M. E., vol. 25, p. 906.

Milling in Gilpin County, Colo. Min. & Sci. Press, vol. 91, p. 344. 3 columns. I.

Concentration of Ores in Colorado. Min. & Sci. Press, vol. 21, p. 138. Table.

Concentration of Gold and Silver Ores on the Pacific Coast. By J. M. Adams. Sch. Mines Quart., vol. 8, p. 336. 24 pages. I.

Mill-Practice of the Utica Mills, Calaveras County, Cal. By W. J. Loring. T. A. I. M. E., vol. 28, p. 553.

Notes on the Stamp-Mills and Chlorination-Works of the Plymouth Consolidated Gold Mining Company, Amador County, Cal. By G. W. Small. T. A. I. M. E., vol. 15, p. 305.

Gold Milling in Colorado. By John Roger. Engineering, London, vol. 66, p. 3, 7 columns, I.; and p. 221, 6 columns.

Concentrating Mill for Silver Ores. E. & M. J., vol. 46, p. 392. 2 columns. I.

Milling in Utah. E. & M. J., vol. 77, p. 604. 2 columns.

Some Old Gold Mills. By F. W. Holbrook. Sch. Mines Quart., vol. 8, p. 61. 4 pages. I.

The Silver King Concentrating Mill, Park City, Utah. By J. H. Steele. Min. & Sci. Press, vol. 85, p. 204. 1½ columns. I.

Early Quartz Milling in Grass Valley, Cal. By G. F. Deetkin. E. & M. J., vol. 58, p. 390. 1 column.

Secret Process for Working Comstock Ore. By D. DeQuille. E. & M. J., vol. 53, p. 544. 1½ columns.

Washoe (Nevada) Ores: Reduction Mills and Machinery. Min. & Sci. Press, vol. 17, p. 308. 1⅞ columns.

Stamp Milling of Free Gold Ores. By D. Harmon. Min. & Sci. Press, vol. 81, p. 556. 13½ columns.

Treatment of the Low Grade Silver Ores at the Silver Islet Mill. By F. A. Lowe. E. & M. J., vol. 32, p. 251. 2 columns.

Forty-Two Years Ago: Gold Milling in California. Min. & Sci. Press, vol. 70, p. 360. 2 columns.

Early Attempts at Working the Silver Ore of the Comstock. By D. De Quille. E. & M. J., vol. 54, p. 80, 2 columns; p. 152, 1¾ columns.

Milling on the Rand, South Africa. Gold Mines of the Rand, p. 180. 32 pages. 1895. I.

Notes on Milling at the North Star Mine, Grass Valley, Cal. By P. R. Robert. T. I. M. & M., vol. 5, p. 153.

Gold-Milling at the North Star Mine, Grass Valley, Nevada County, Cal. By E. R. Abadié. T. A. I. M. E., vol. 24, p. 208.

Milling: Ore-Dressing on the Rand. Witwatersrand Goldfields, p. 404. 28 pages. I.

Gold Milling. By A. Del Mar. Min. & Sci. Press, vol. 89, p. 38, 2¾ columns; p. 56, 1¾ columns; and p. 70, 1 column.

Mining and Ore Treatment in Western Australia. By D. Clark. Min. & Sci. Press, vol. 89, p. 41, 2⅕ columns; p. 54, 3 columns, I.; p. 71, 2 columns; p. 89, 2¾ columns; and p. 103, 2½ columns, I.

Mine and Mill Work at Hedges, Cal. Min. & Sci. Press, vol. 84, p. 50. 1 column.

Concentration of Auriferous Sulphides in California. Min. & Sci. Press, vol. 79, p. 340, 2 columns; and p. 379, 1⅔ columns.

Ore Treatment at Laurium, Greece. By H. F. Collins. E. & M. J., Feb. 23, 1905, p. 363. 4 columns.

Tailings Treatment in Western Australia. Gold Mining and Milling, p. 251. 34 pages. I.

Method of Saving Fine Gold of Snake River, Idaho. By W. H. Washburn. Min. & Sci. Press, vol. 83, p. 45. 4 columns. I.

The Peregrina Mill, Guanajuato. By F. J. Hobson. E. & M. J., vol. 81, p. 943. 4 columns.

Modern Mining at Alta, Utah. By L. A. Palmer. M. & M., vol. 26, p. 438. 8 columns. I.

Milling Gold Ore by the Continuous Process. Min. & Sci. Press, vol. 56, p. 265. 3½ columns. I.

Some Colorado Concentration Methods. Min. & Sci. Press, vol. 74, p. 408. 1⅔ columns.

Some Cripple Creek Practices. Min. & Sci. Press, vol. 74, p. 4. 1¾ columns.

WORKING GOLD-BEARING SULPHURETS. Min. & Sci. Press, vol. 52, p. 325, 2 columns, I.; p. 341, 1 column; p. 357, 2 columns; p. 392, 1⅓ columns; p. 409, 2 columns; and p. 425, 1 column.

THE TREATMENT OF AUSTRALIAN ORES. By J. Plummer. E. & M. J., vol. 60, p. 610. 1 column.

MODERN PRACTICE IN GOLD MINING. By J. H. Hammond. Engineering, London, vol. 67, p. 791. 1½ columns.

NOTES ON GOLD MINING. By F. Irvine. Engineering, London, vol. 67, p. 792. 2 columns.

NOTE ON CHEAP GOLD-MILLING IN MEXICO. By H. F. Collins. T. A. I. M. E., vol. 31, p. 446.

NOTE ON GOLD-MINING AND MILLING IN KOREA. By W. I. Pierce. T. A. I. M. E., vol. 18, p. 363.

MILLS OF THE SAN JUAN REGION, COLORADO: The Means by which Many of the Great Low Grade Silver Deposits Have Been Made Profitable. By Frank Hartman. M. & M., Jan., 1902, p. 249. 4½ columns. I.

THE TREATMENT OF FINE GOLD IN THE SANDS OF SNAKE RIVER, IDAHO. By T. Egleston. T. A. I. M. E., vol. 18, p. 597.

SAVING GOLD FROM BLACK SAND. Min. & Sci. Press, vol. 84, p. 347. ⅓ column.

A CHINESE SYSTEM OF GOLD-MILLING. By H. Louis. T. A. I. M. E., vol. 20, p. 324.

CONCENTRATION AND SMELTING AT TOMBSTONE, ARIZONA. By J. A. Church. T. A. I. M. E., vol. 15, p. 601.

SILVER-MILLING IN ARIZONA. By W. L. Austin. T. A. I. M. E., vol. 11, p. 91.

THE MINES AND MILLS OF GILPIN COUNTY, COLORADO. By A. N. Rogers. T. A. I. M. E., vol. 11, p. 29.

FINE GOLD MINING AND CONCENTRATION. By N. J. Fleck. E. & M. J., vol. 68, p. 70. 1 column.

MINING AND MILLING GOLD ORES IN WESTERN AUSTRALIA. By H. C. Hoover. E. & M. J., vol. 66, p. 725. 3⅓ columns.

ORE TREATMENT IN BOULDER COUNTY, COLORADO. By C. C. Burger. E. & M. J., vol. 65, p. 129. 3 columns. I.

GOLD MILLING IN CLAY COUNTY, ALABAMA, AT THE IDAHO MINE. By J. Franklin. E. & M. J., vol. 63, p. 479. ¾ column.

THE CONCENTRATION OF AURIFEROUS SULPHIDES IN CALIFORNIA. By W. H. Storms. E. & M. J., vol. 60, p. 29, 3¾ columns, I.; p. 440, I.; p. 466, I.

PRIDE OF THE WEST MILL AND SMELTER, WASHINGTON CAMP, ARIZONA. By J. Scobey. E. & M. J., vol. 72, p. 110. 1⅔ columns. I.

NOTES ON THE YMIR MINE AND ITS MILL PRACTICE. By S. S. Fowler. J. C. M. I., vol. 3, p. 3. 8 pages.

NOTES ON GOLD MILLING PRACTICE AT THE ATHABASCA MINE, NELSON, B.C. By E. Nelson. J. C. M. I., vol. 4, p. 83. 8 pages.

IMPROVEMENTS IN THE DRESSING OF GOLD ORES. By F. Hill. T. F. C. M. I., vol. 1, p. 21. 13 pages. I.

MINING AND MILLING IN THE BLACK HILLS, SOUTH DAKOTA. By C. G. Warnford Lock. T. I. M. & M., vol. 3, p. 151, and p. 234.

NOTES ON A COMBINATION MILL IN THE UNITED STATES. By W. McDermott. T. I. M. & M., vol. 6, p. 245.

MINING AND MILLING AT THE MESQUITAL DEL ORO GOLD MINE, STATE OF ZACATECAS, MEXICO. By A. C. Claudet. T. I. M. & M., vol. 3, pp. 335, 355.

NOTES ON MILLING IN NORTHERN KOREA. By S. J. Speak. T. I. M. & M., vol. 12, p. 427. 15 pages.

Gold Milling: Preliminary Work in Selecting the Processes and Machinery Suitable for a Given Ore. By G. E. Bailey. M. & M., vol. 19, p. 35, 6 columns, I.; p. 181, 5 columns, I.; and p. 232, 4½ columns, I.

The Gold-Milling Process at Pestarena, Italy. By A. G. Charleton. T. F. I. M. E., vol. 9, p. 344. 14 pages. I.

Variations in the Milling of Gold Ores, Bendigo, Australia. By T. A. Rickard. E. & M. J., vol. 57, p. 174, 4 columns; p. 198, 3 columns.

Variations in the Milling of Gold Ores, Amador, Cal. By T. A. Rickard. E. & M. J., vol. 56, p. 639, 4 columns, I.; p. 663, 2½ columns, I.

Gold Milling in Australia. By T. A. Rickard. E. & M. J., vol. 57, p. 101, 2⅛ columns; and p. 128, ⅔ column.

The Cactus Mill at Newhouse, Utah: A Modern Concentrating Plant of 1000 Tons Daily Capacity. By L. A. Palmer. M. & M., vol. 26, p. 337. 8 columns. I.

The South Kalgurli Company's System of Ore Treatment. By A. C. Claudet. E. & M. J., vol. 81, p. 129. 4 columns. I.

Gold: Treatment of Auriferous Ores, etc. Min. & Sci. Press, vol. 30, p. 76. 3½ columns.

Saving Gold from Sulphurets. Min. & Sci. Press, vol. 31, p. 265. 1½ columns.

Sulphurets. Min. & Sci. Press, vol. 31, p. 284. ½ column.

Milling Practice at the Camp Bird. By S. L. Goodale. E. & M. J., vol. 79, p. 850. 5 columns. I.

The Newhouse Mine and Mill. E. & M. J., vol. 80, p. 57. 3 columns. I.

Milling Practice at Idaho Springs, Colo. By H. F. Bain. E. & M. J., vol. 72, p. 425. 2 columns.

San Antonio de Yguana Concentrating Mill, Mexico. By F. de Stwolinski. E. & M. J., vol. 47, p. 324. 1 column. I

The Concentration of San Juan Ores. E. & M. J., vol. 40, p. 164. 1½ columns.

Milling in Colorado. Am. Jour. Min., vol. 4, p. 369. ½ column.

Treatment of Ores of Native Silver in Chihuahua, Mexico. By H. B. Cornwall. E. & M. J., vol. 13, p. 211, 2 columns; and p. 259, 2½ columns.

Milling in India. By R. T. J. Weeks. M. & M., vol. 26, p. 38. 3 columns.

Notes on Gold Milling. By C. H. Aaron. E. & M. J., vol. 48, p. 118, 4½ columns; and p. 140, 2⅔ columns.

Mill Practice on the Rand. By G. A. Denny. Min. Mag., vol. 11, p. 401. 5 columns. I.

Ore Milling at Kalgoorlie. By H. J. Brooke. E. & M. J., vol. 80, p. 4. 4 columns.

Gold Washing in Colombia. By C. Bullman. E. & M. J., vol. 53, p. 374. 2 columns. I.

Concentration of Gold Ores. Coll. Engr. & Met. Miner, vol. 17, pp. 392, 432, 486, 535.

Milling and Mining on the Comstock. E. & M. J., vol. 49, p. 725. ⅔ column.

Mexican Methods of Silver Ore Treatment. By J. N. Nevins. E. & M. J., vol. 74, p. 512. 3 columns. I.

General Arrangement of Silver Mills. Min. & Sci. Press, vol. 45, p. 353. 4 columns. I.

The Newhouse Mines and Mills. E. & M. J., vol. 81, p. 616. 2⅓ columns.

Stamp Mills in Ecuador. By F. W. Oldfield. E. & M. J., Dec. 8, 1904, ½ column; and Min. Mag., Jan., 1905, p. 83.

Modern Mill Equipment and Stamp Duty on the Rand. Min. & Sci. Press, Aug. 20, 1904, ½ column; Min. Jour., Aug. 13, 1904; and Min. Mag., Sept., 1904, p. 226.

GOVERNMENT STAMP-MILLS IN WESTERN AUSTRALIA. E. & M. J., vol. 71, p. 148. ½ column.

AN IMPROVED COLOMBIAN GOLD-MILL. By E. Halse. E. & M. J., vol. 71, p. 181. 2½ columns. I.

GOLD MILLING PRACTICE AT THE ATHABASCA MINE, NESLON, B. C. By E. N. Fell. E. & M. J., vol. 71, p. 518. 2½ columns.

THE UNION GOLD EXTRACTION COMPANY'S MILL AT FLORENCE, COLO. By J. E. Rothwell. E. & M. J., vol. 71, p. 721. 7 columns. I.

THE NEW MILL AT BATOPILAS, STATE OF CHIHUAHUA, MEXICO. By J. C. F. Randolph. T. A. I. M. E., vol. 10, p. 293.

NOTES ON GOLD-MILL CONSTRUCTION. By A. J. Bowie Jr. T. A. I. M. E., vol. 10, p. 87.

THE TONOPAH MINING COMPANY'S MILL. By S. A. Worcester. E. & M. J., vol. 80, p. 682. 4 columns. I.

BIG INDIAN MINE (Mill Method). Min. & Sci. Press, vol. 87, p. 236. 3 columns. I.

THE AVINO MINE AND MILL, MEXICO. E. & M. J., vol. 69, p. 322. 2½ columns. I.

THE DALY-WEST MILL. By W. I. Spencer. Bull. Colo. Sch. of Mines, Jan., 1905.
Min. Mag., vol. 11, p. 357.

ORE TREATMENT AT MOUNT LYELL. Min. & Sci. Press, vol. 86, p. 302, 2¼ columns; p. 319, 2½ columns; and p. 332, 1½ columns.

THE PALMER MOUNTAIN MILL, WASHINGTON. By F. F. Coleman. E. & M. J., vol. 82, p. 1080. 7 columns. I.

CONCENTRATION AT THE DALY-JUDGE MILL, UTAH. M. & M., vol. 28, p. 80. 4 columns. I.

A WET SILVER MILL, MONTANA. By R. B. Brinsmade. M. & M., vol. 26, p. 492. 11¼ columns. I.

SOME NOTES ON THE MILLING OF GOLD ORES. By J. E. Hardman. T. F. C. M. I., vol. 2, p. 100. 10 pages.

GOLD-MILLING. By W. F. Wilkinson. T. F. I. M. E., vol. 3, p. 795. 32 pages. I.

CURRENT PRACTICE (in Milling) AT CRIPPLE CREEK. By G. E. Wolcott. E. & M. J., vol. 78, p. 911. 3½ columns.

MILL STATISTICS, WITH SPECIAL REFERENCE TO THE EXTRACTION OF PRECIOUS METALS. E. & M. J., vol. 36, p. 309. 2¼ columns.

THE CENTRAL MILL OF THE NORTH STAR MINES COMPANY. By A. D. Foote. Min. & Sci. Press, vol. 92, p. 240. 3 columns. I.

MILLING VS. SMELTING IN THE TREATMENT OF TONOPAH-GOLDFIELD ORE. By F. L. Bosqui. Min. & Sci. Press, vol. 92, p. 217. 2 columns. I.

STAMP-MILLING IN NORTHERN CALIFORNIA. By A. Del Mar. Min. & Sci. Press, vol. 92, p. 143. 3¾ columns. I.

ORE TREATMENT AT THE COMBINATION MINE, GOLDFIELD, NEV. By F. L. Bosqui. Min. & Sci. Press, vol. 93, p. 413, 4½ columns, I.; and p. 451, 8 columns. I.

MILLING GOLD ORES. By A. Del Mar. Min. & Sci. Press, vol. 93, p. 597, 4 columns; p. 685, 1¾ columns; and p. 745, ½ column.

THE MILLING OF GOLD ORES IN CALIFORNIA. By W. H. Storms. Min. & Sci. Press, vol. 92, p. 416. 2½ columns.

THE WALL CONCENTRATING MILL, BINGHAM, UTAH. By C. T. Rice. E. & M. J., vol. 82, p. 1009. I.

NOTES ON THE PORTLAND MINE AND MILL, COLORADO. E. & M. J., vol. 82, p. 774. 2 columns.

MILLING IN THE COPPER COMPANY'S MILL, BINGHAM CANYON. E. & M. J., vol. 82, p. 436. 3½ columns.

THE DALY-JUDGE MILL. E. & M. J., vol. 82, p. 248. 5½ columns. I.

SILVER KING MILL, PARK CITY, UTAH. (Flow Sheet.) E. & M. J., vol. 82, p. 202. 7 columns. I.

THE DALY-WEST MILL, PARK CITY, UTAH. E. & M. J., vol. 82, p. 53. 9 columns.

ORE TREATMENT AT THE BROKEN HILL PROPRIETARY MINE. By G. D. Delprat. Min. & Sci. Press, vol. 94, p. 407. 7 columns. I.

PROGRESS IN GOLD-ORE TREATMENT DURING 1906. By A. James. E. & M. J., vol. 83, p. 17. 9½ columns.

ORE DRESSING AT BROKEN HILL, AUSTRALIA. By G. D. Deprat. E. & M. J., vol. 83, p. 317. 15 columns. I.

TREATMENT OF TONOPAH ORE. E. & M. J., vol. 83, p. 805. 1¾ columns.

THE BOSTON MILL, BINGHAM CAÑON, UTAH. E. & M. J., vol. 84, p. 483. 1½ columns. I.

GOLD AND SILVER EXTRACTION IN SOUTH AMERICA. By J. Buchanan. J. C. & M. Soc. S. A., vol. 1, p. 41. 10 pages.

MILLING PRACTICE AT THE GRANADENA MILL, MEXICO. By S. F. Shaw. E. & M. J., vol. 84, p. 637. 6½ columns.

THE STEPTOE VALLEY MILL AND SMELTER. By W. R. Ingalls. E. & M. J., vol. 84, p. 813. 11¾ columns. I.

THE MONTGOMERY-SHOSHONE MILL. By P. E. Van Saun. M. & M., vol. 28, p. 385. 4 columns. I.

THE DALY-JUDGE MINE AND MILL. By P. A. Gow, etc. M. & M., vol. 28, p. 32, 8 columns, I.; and p. 79, 7 columns, I.

RECENT GOLD MILLING PRACTICE IN NOVA SCOTIA. By J. E. Hardman. J. M. Soc. N. S., vol. 1, pt. 2, p. 34. 10 pages.

OBSERVATIONS ON GOLD MILLING. By J. G. McNulty. J. M. Soc. N. S., vol. 8, p. 96. 4½ pages.

MILLING AT GLADSTONE, COLO. By G. P. Scholl. M. & M., vol. 27, p. 498. 3 columns. I.

SCHEME OF CONCENTRATION IN USE ON THE RAND. J. C. & M. Soc. S. A., vol. 4, p. 116, 1 page, and p. 171, 1 page.

MODERN METHODS OF GOLD EXTRACTION. By W. E. Koch. P. E. Soc. W. Pa., vol. 17, p. 338. 21 pages. I.

NOTES ON THE COMMON PRACTICE OF QUARTZ MILLING ON THE RAND. By F. Alexander. J. C. & M. Soc. S. A., vol. 3, p. 298. 48 pages.

NOTES ON AN IMPROVED NATIVE GOLD-MILL. By E. Halse. T. I. M. & M., vol. 9, p. 174. 2½ pages.

MILLING ON THE RAND. J. C. & M. Soc. S. A., vol. 4, p. 215, 18 pages; and vol. 5, p. 49, 8 pages.

VARIATIONS IN THE MILLING OF GOLD ORES. By T. A. Rickard. E. & M. J., vol. 54, p. 198, 4 columns, I.; p. 222, 2 columns, I.; p. 245; p. 534, 3½ columns; p. 558, 4 columns; vol. 55, p. 78, 3 columns; p. 101, 3½ columns; p. 222, 2 columns; p. 247, 2½ columns; p. 389, 3½ columns; p. 416, 2 columns; p. 534, 3¼ columns; p. 560, 2 columns; vol. 56, p. 317, 3½ columns.

VARIATION IN THE MILLING OF GOLD ORE: The Black Hills, South Dakota. By T. A. Rickard. E. & M. J., vol. 57, p. 460, 2 columns, I.; p. 486, 4½ columns; p. 511, 3½ columns, I.; vol. 60, p. 221, I.; p. 247, 10 columns; p. 371, 3 columns; p. 397, 1¾ columns.

A MODERN COARSE CONCENTRATION PLANT FOR SILVER-LEAD ORE. By E. R. Woakes. T. I. M. & M., vol. 12, p. 140. 14½ pages. I.

CONCENTRATION AT MOWRY, ARIZONA. M. & M., vol. 27, p. 530. 1½ columns. I.

MILLING LEAD-ORE IN THE WISCONSIN-IOWA-ILLINOIS REGION. E. & M. J., vol. 82, p. 60. 1 column. I.

ORE MILLING IN WISCONSIN. E. & M. J., vol. 82, p. 152. 8 columns. I.

CONCENTRATION OF SILVER-LEAD ORES. By V. F. S. Low. E. & M. J., vol. 82, p. 349. 4½ columns.

CONCENTRATING DIFFICULT SILVER-LEAD ORES. E. & M. J., vol. 71, p. 48. 1¾ columns.

Systems of Concentration Employed in the Galena Portion of the Joplin Region. Univ. Geol. Surv. of Kans., vol. 8, p. 328. 3 pages.

Mining and Milling at Fredericktown, Mo. By R. B. Brinsmade. M. & M., vol. 27, p. 149. 5 columns. I.

Concentration Practice in Southeast Missouri: A Description of the Plants of the St. Joe, the Central, and the National Concentrating Mills. By R. B. Brinsmade. M. & M., Jan., 1902, p. 241. 8½ columns. I.

The New Dressing-Works of the St. Joseph Lead Company, at Bonne Terre, Mo. By H. S. Munroe. T. A. I. M. E., vol. 17, p. 659.

Some Points in the Treatment of Lead Ores in Missouri. By C. P. Williams. T. A. I. M. E., vol. 5, p. 314.

Concentration of Argentiferous Galena as Carried on at Helena, Frisco Concentrating Company's Mills, Gem, Idaho. By W. Muir. J. C. M. I., vol. 4, p. 254. 10 pages.

New Bunker Hill and Sullivan Mill: Built in Four Months. M. & M., vol. 20, p. 343. 1½ columns.

St. Mary's Lead Works, Cornwall, England. By W. R. Lewis. E. & M. J., vol. 74, p. 216. 2 columns. I.

The Pierrefitte Concentrating Mill, France. By M. S. Slutchbury. T. I. M. & M., vol. 10, p. 457. 6 pages. I.

The Bamberger-DeLamar Mine, Nevada. E. & M. J., vol. 77, p. 725. 1¼ columns.

The Mill of the North Star Gold Mine, Grass Valley, Cal. E. & M. J., vol. 43, p. 400. 1 column. I.

The Mines and Works of the Lehigh Zinc Company. E. & M. J., vol. 12, p. 129, 3 columns; and p. 145, 3½ columns.

The Concentration Mill at the O'Neil Mines, Galena, Kans. E. & M. J., vol. 35, p. 346. 2 columns. I.

Ore Dressing: The Methods and Apparatus Employed at the Zinc Mines of Southwest Missouri. By H. K. Landis. Coll. Engr. & Met. Miner, vol. 17, p. 309. 5 columns. I.

Zinc Mining: A Description of the Methods of Mining and Dressing Zinc Ores. By H. K. Landis. Coll. Engr. & Met. Miner, vol. 17, p. 62. 5½ columns. I.

The Dressing of Zinc-Blende Ores and Magnetite at the New Pierrefitte Mines, France. By H. L. Lawrence. T. I. M. & M., vol. 2, p. 92.

Development of Coarse Concentration in the Slocan District, B. C. By S. S. Flower. J. C. M. I., vol. 6, p. 146. 14 pages.

Concentrating in the Western Kentucky District: The Problem of Separating Fluorspar from Lead and Zinc Ores. M. & M., vol. 26, p. 172. 2 columns.

Recent Changes in Mining and Milling in the Galena-Joplin Lead and Zinc District. By W. R. Crane. E. & M. J., vol. 74, p. 405. 6 columns.

Milling in Southwest Wisconsin: Flow sheet and Plan of Mill. By G. S. Brooks. E. & M. J., vol. 81, p. 1140. 8 columns. I.

Concentration and separation of Zinc-Lead Ores, Breckenridge, Colo. By D. H. Lawrence. Min. & Sci. Press, vol. 91, p. 365. 1 column.

The Mineral Point Zinc Works, Wisconsin. E. & M. J., vol. 82, p. 388. 6½ columns. I.

Mining and Milling at Platteville, Wis. E. & M. J., vol. 82, p. 541. 5¼ columns.

The Enterprise Mine, Platteville, Wis. E. & M. J., vol. 82, p. 445. 3½ columns.

Milling "Sheet Ground" Ore in Joplin District. By Doss Brittain. E. & M. J., vol. 84, p. 59. 14 columns. I.

Milling at Platteville, Wis. E. & M. J., vol. 82, p. 445. 2 columns.

Ore Milling in Wisconsin. E. & M. J., vol. 82, p. 359. 1½ columns.

The Calamine Dressing Works at Monteponi. By E. Ferraris. E. & M. J., vol. 83, p. 1094. 1 column. I.

Milling the Virginia Zinc-Ores. T. A. I. M. E., vol. 37, p. 307. 5 pages.

Improvements in Milling Missouri Zinc Ores. By W. E. Ford. E. & M. J., vol. 84, p. 868. 7¼ columns.

The Present Status of the Separation of Zinc Blende in Copper and Lead Ores. By R. C. Canby. Min. Mag., vol. 13, p. 476. 8 columns.

The Separation of Blende from Pyrites: A New Metallurgical Industry. By W. P. Blake. T. A. I. M. E., vol. 22, pp. 569 and 723.

Concentrating Zinc-Lead Ores in the Galena-Joplin District of Missouri: The Methods of Milling and of Separating the Pyrites. By W. R. Crane. M. & M., Sept., 1901, p. 73. 3⅓ columns. I.

The Removal of Iron from Zinc Blende. By W. B. Phillips. E. & M. J., vol. 72, p. 710, 3 columns; and p. 857, 1½ columns.

The Baltic Mill, Lake Superior. By E. D. McDermott. T. I. M. & M., vol. 14, p. 186. 9 pages. I.

The Treatment of Tin-Wolfram-Copper Ores at the Clitters United Mines. By F. Dietzsch. T. I. M. & M., vol. 15, p. 2. 60 pages. I.

Concentration and Smelting as Applied to the Treatment of Low-Grade Gold-Copper Ores at Santa Fe, Mexico. By H. F. Collins. T. I. M. & M., vol. 12, p. 58. 56 pages.

Mining and Treatment of Copper-Ore at the Wallaroo and Moonta Mines, South Australia. By H. L. Hancock. T. I. M. E., vol. 27, p. 461. 24 pages. I.

Concentration at Cananea, Mexico. M. & M., vol. 27, p. 465. 4½ columns. I.

The Washoe Plant of the Anaconda Copper-Mining Company in 1905. By L. S. Austin. T. A. I. M. E., vol. 37, p. 431. 56 pages. I.

Concentration at the Washoe Plant, Anaconda, Mont. T. A. I. M. E., vol. 37, p. 440. 3 pages.

The Treatment of Copper Rock at the Quincy Mills, Hubbell, Mich. By C. K. Hitchcock, Jr. Sch. Mines Quart., vol. 26, p. 340. 5 pages. I.

The Garfield Mill of the Utah Copper Company. By L. H. Beason. Min. & Sci. Press, vol. 94, p. 474. 1½ columns. I.

Practice at the Osceola Mill, Lake Superior. By L. Fraser. E. & M. J., vol. 83, p. 1180. 4 columns. I.

Concentration at Cananea. By D. E. Woodbridge. E. & M. J., vol. 82, p. 965. 1 column. I.

Notes upon Mining and Concentration of Copper Ores in the Lake Superior Region. By P. R. Robet. T. I. M. & M., vol. 7, p. 19. 7 pages.

The Baltic Mill, Redridge, Michigan. Min. & Sci. Press, vol. 90, p. 218. 4½ columns. I.

Concentration of Low-Grade Copper Ores. By W. J. Adams. Min. & Sci. Press, vol. 88, p. 315, 2½ columns; p. 328, 3 columns; p. 344, 2½ columns; and p. 363, 1 column.

New Methods in Treatment of Low Grade Copper Ores. By N. S. Keith. Min. & Sci. Press, vol. 91, p. 172. 4 columns.

Plant of the Cananea Consolidated Copper Company, Cananea, Sonora, Mexico. By O. P. Findley.

Min. & Sci. Press, vol. 91, p. 342, 5 columns, I.; and p. 359, 3¾ columns.

METHOD OF CONCENTRATING AT ANACONDA. By M. Schwerin. E. & M. J., vol. 76, p. 388. 4½ columns. I.

THE JOPLIN MILL PRACTICE. E. & M. J., vol. 78, p. 579. 1 column.

THE LEAD-ZINC MINES OF KANSAS AND MISSOURI. M. & M., Dec., 1904, p. 210.

THE CONCENTRATION OF ORES IN THE BUTTE DISTRICT, MONTANA. By Chas. W. Goodale. T. A. I. M. E., vol. 26, pp. 599 and 1108.

CONCENTRATION OF COPPER ORE IN BRITISH COLUMBIA. M. & M., Oct., 1902, p. 100. ¾ column.

TREATMENT OF LAKE COPPER. Historical. By J. B. Cooper. M. & M., May, 1903, p. 463.

THE ALLOUEZ MINE, AND ORE DRESSING AS PRACTICED IN THE LAKE SUPERIOR COPPER DISTRICT. By C. M. Rolker. T. A. I. M. E., vol. 5, p. 584.

CONCENTRATING LAKE SUPERIOR ORE. By L. M. Hardenburgh. E. & M. J., vol. 69, p. 473. 1½ columns.

ORE-DRESSING ON LAKE SUPERIOR. By F. F. Sharpless. T. L. S. M. I., vol. 2, p. 97. 10 pages. I.

METHODS OF TREATING COPPER ORES IN LAKE SUPERIOR MILLS. E. & M. J., vol. 78, p. 945, 10 columns, I.; and p. 985, 6½ columns. I.

ORE DRESSING AT CANANEA. By D. E. Woodbridge. E. & M. J., vol. 77, p. 1044. 4 columns.

ORE TREATMENT AT THE IVAN HOE MINE, KALGOORLIE. E. & M. J., vol. 78, p. 632. 2½ columns.

CONCENTRATION OF COPPER ORE. By F. H. Probert. E. & M. J., vol. 80, p. 15, 3 columns, I.; vol. 79, p. 1088, 5½ columns, I.; and p. 1224, 7½ columns, I.

METHOD OF CONCENTRATING AT LA CANANEA. By M. Schwerin. E. & M. J., vol. 76, p. 463, 3 columns, I.; and p. 650, 1½ columns.

THE WASHOE REDUCTION WORKS: The Plant of the Anaconda Copper Mining Company at Anaconda, Mont. — A Description of the Concentrator. M. & M., Dec., 1904, p. 256.

ANTHRACITE COAL BREAKERS. Second Geol. Survey Pa. A. C., p. 457. 20 pages. I.

THE CANADIAN COPPER COMPANY'S PLANT AT COPPER CLIFF. E. & M. J., vol. 76, p. 1008. 6 columns. I.

THE BALTIC STAMP-MILL: Lake Superior Copper Region. Eng. News, Mar. 23, 1905, p. 299.

THE SIX-THOUSAND-TON CONCENTRATOR. By R. L. Herrick. M. & M., vol. 28, p. 262. 11 columns. I.

THREE-THOUSAND-TON CONCENTRATOR. By R. L. Herrick. M. & M., vol. 28, p. 450. 8 columns. I.

TIN ORE DRESSING PLANT, EAST POOL, CORNWALL. By E. Walker. E. & M. J., vol. 83, p. 941. 6 columns.

TREATING COBALT ORES. E. & M. J., vol. 83, p. 612. 2 columns.

THE TIN-STREAM WORKS OF RED RIVER, CORNWALL. By E. Walker. E. & M. J., vol. 83, p. 991. 6 columns. I.

ORE CRUSHING AND CONCENTRATION AT DOLCOATH MINE, CORNWALL. By R. A. Thomas. T. I. M. & M., vol. 7, p. 175. 16½ pages.

ORE DRESSING MACHINERY USED AT THE DOLCOATH TIN MINES. Tin Deposits of the World, p. 187. 12 pages. I.

TIN DRESSING AT MOUNT BISCHOFF TIN MINES. Tin Deposits of the World, p. 173. ½ page.

TIN CONCENTRATION AT THE DOLCOATH MINE. Tin Deposits of the World, p. 181. 4 pages.

TIN CONCENTRATION IN CORNWALL. By C. M. Mayrick. Min. & Sci. Press, vol. 86, p. 167. 2¾ columns. I.

THE CORNISH SYSTEM OF TIN ORE-DRESSING. By R. J. Frecheville. E. & M. J., vol. 40, p. 416. 3½ columns.

THE TIN ORE CONCENTRATING PLANT AT HARNEY PEAK, SOUTH DAKOTA. E. & M. J., vol. 54, p. 102. 2½ columns. I.

PYRITES CONCENTRATION AT HERMON, N. Y. E. & M. J., vol. 81, p. 1192. 2 columns.

MILLING AT THE DAVIS PYRITES MINE, MASSACHUSETTS. E. & M. J., vol. 82, p. 772. 6 columns. I.

MILLING AT THE LYON MOUNTAIN, N.Y., MAGNETITE MINES. E. & M. J., vol. 82, p. 916. 6 columns. I.

FLOW-SHEET OF MILL No. 2, MAGNETITE MILL, MINEVILLE, N.Y. E. & M. J., vol. 81, p. 1083. I.

ORE-DRESSING AND CONCENTRATION IN SWEDEN. By P. G. Lidner. T. A. I. M. E., vol. 24, p. 486.

THE CONCENTRATION OF IRON-ORE. By J. Birkinbine and T. A. Edison. T. A. I. M. E., vol. 17, p. 728.

THE CONCENTRATION OF IRON-ORES. By A. F. Wendt. T. A. I. M. E., vol. 13, p. 35.

CONCENTRATION OF LOW-GRADE IRON ORES. By W. B. Phillips. E. & M. J., vol. 62, p. 75, 1¼ columns; p. 105, 1 column; p. 124, 1½ columns; and p. 151, 2 columns.

THE PEWABIC CONCENTRATING WORKS. By L. M. Hardenburgh. T. L. S. M. I., vol. 6, p. 23. 4 pages.

ON THE DRESSING OF NON-BESSEMER ORES. By G. W. Maynard and W. B. Kunhardt. Sch. Mines Quart., vol. 9, p. 145. 18 pages.

DESCRIPTION OF THE MACHINERY AND PROCESS OF IRON-ORE WASHING AT THE PARK MINES, IN THE FURNESS DISTRICT OF NORTH LANCASHIRE. By W. Kellett. T. I. M. E., vol. 17, p. 290. 6 pages. I.

CONCENTRATION OF IRON ORES. Rept. Census Office, Mines and Quarries, 1902, p. 420. 1 column.

CONCENTRATING WORKS AT FALUN IN SWEDEN. Min. & Sci. Press, vol. 31, pp. 185, 188, 1¾ columns; p. 241, 4 columns, I.; p. 265, 3 columns; p. 284, 1½ columns; p. 348, 2 columns; and p. 380, 2 columns.

CONCENTRATION OF MESABI IRON ORES. By D. E. Woodbridge. E. & M. J., vol. 77, p. 960. 4 columns. I.

THE PREPARATION OF BROWN HEMATITE IRON ORES. By F. L. Garrison. E. & M. J., vol. 77, p. 962. 3 columns. I.

PYRITES MINING AND MILLING IN VIRGINIA. By R. K. Pointer. E. & M. J., vol. 80, p. 433. 2½ columns.

THE TREATMENT OF COMPLEX ORES. By J. W. Chenhall. E. & M. J., vol. 37, p. 121. 2½ columns.

BANNING NO. 2 MINE. E. & M. J., vol. 81, p. 324. 6½ columns. I.

COAL MINES AND ZINC WORKS AT LA SALLE, ILL.: A Description of Mining Plant at La Salle Shaft and of the Matthiessen and Hegeler Zinc Works. By A. Dinsmore. M. & M., Apr., 1903, p. 397. 3 columns.

THE TRUESDALE BREAKER AND WASHERY. E. & M. J., vol. 80, p. 584, 8 columns, I.; and p. 408, 4 columns, I.

THE ERNEST PLANT OF THE JEFFERSON & CLEARFIELD COAL & IRON COMPANY, AT ERNEST, INDIANA COUNTY, PENNSYLVANIA. By G. W. Harris. M. & M., May, 1904, p. 465. 16½ columns. I.

THE AUCHINCLOSS BREAKER: A Description of Some of the Novel Methods Employed in Construction and in Arrangement and Driving of the Machinery. By Geo. L. Carlisle, Jr. M. & M., Sept., 1902, p. 80. 9 columns. I.

DESCRIPTION OF PRESENT AND PROPOSED METHODS OF OPERATING VINTON NO. 3 COLLIERY, VINTONDALE, PA. By C. R. Claghorn. T. I. M. E., vol. 18, p. 351. 17 pages. I.

A BITUMINOUS COAL BREAKER. By L. Stockett. T. A. I. M. E., vol. 35, p. 31. 10 pages. I.

THE NEW BREAKER AT CRANBERRY COAL-MINE. By W. S. Ayres. T. A. I. M. E., vol. 28, p. 293.

THE SOUTH WILKES-BARRE COAL BREAKER. E. & M. J., vol. 56, p. 101, 2 columns, I.; and p. 135, 4 columns. I.

FRENCH AND BELGIAN COLLIERIES. E. & M. J., vol. 50, p. 129. 2 columns. I.

THE ISELIN PLANT: A Description of the Principal Features of the Model New Coal Plant at Iselin, Indiana County, Pennsylvania. By J. L. Dixon. M. & M., vol. 26, p. 50. 4 columns, I.

THE PRICE-PANCOAST COLLIERY. By G. W. Harris. E. & M. J., vol. 80, p. 51, 10 columns, I.; and p. 98, 7 columns, I.

THE GALLITZIN PLANT OF THE PENNSYLVANIA COAL AND COKE COMPANY, PENNSYLVANIA. E. & M. J., vol. 77, p. 398. 3 columns. I.

THE AUCHINCLOSS COLLIERY. E. & M. J., vol. 77, p. 726. 4½ columns. I.

WHIPPLE COLLIERY: An Account of Shaft Sinking and Description of the Surface Plant at Whipple, West Virginia. M. & M., May, 1904, p. 501. 4 columns. I.

THE SOUTH WILKES-BARRE COLLIERY. E. & M. J., vol. 78, p. 465. 4 columns. I.

CHARANPORE COLLIERY, BENGAL, INDIA. E. & M. J., vol. 74, p. 346. 3 columns. I.

THE LOUP CREEK COLLIERY COMPANY. By G. W. Harris. E. & M. J., vol. 80, p. 1058. 11 columns. I.

THE NEW COKE PLANT OF THE EUREKA FUEL COMPANY IN THE KLONDIKE RÉGION, PENNSYLVANIA (A COMPLETE MODERN PLANT). By J. P. Brennen. M. & M., vol. 21, p. 385. 6½ columns. I.

VESTA NO. 4 MINE OF THE VESTA COAL COMPANY, AT CALIFORNIA, PA.: A Detailed Description of One of the Finest Equipped Coal Mines in the United States. By W. L. Affelder. M. & M., Feb., 1905, p. 321. 9½ columns. I.

THE DRUMMOND COLLIERY: An Illustrated Description of an Extensive Nova Scotian Coal Mine. By C. Fergie. Coll. Engr. & Met. Miner, vol. 17, p. 329. 7½ columns.

THE MIDLOTHIAN COLLIERY, VIRGINIA, IN 1876. By O. J. Heinrich. T. A. I. M. E., vol. 4, p. 308.

SEGUNDO COKE PLANT: A Description of the Ovens and Coal Washing Plant of the Colorado Fuel and Iron Company, at Segundo, Colo. By R. M. Hosea. M. & M., Aug., 1904, p. 4. 12½ columns. I.

THE EHRENFELD PLANT OF THE WEBSTER COAL AND COKE COMPANY: A Large Modern Plant Containing a Number of Novel Features. M. & M., May, 1902, p. 434. 10 columns.

THE HENRY COLLIERY OF THE DAVIS COAL AND COKE COMPANY: A Description of the Plant and the Mechanical Equipment. By J. F. Healy. M. & M., Oct., 1904, p. 147. I.

A BITUMINOUS COAL BREAKER: A Plant Erected at Stockett, Mont., to Clean Bituminous Coal in a Manner Similar to that Used for Anthracite. By Lewis Stockett. M. & M., Oct., 1904, p. 110. 5 columns. I.

LEISENRING NO. 3 COLLIERY. By J. J. Davis. Coll. Engr., vol. 10, p. 172. 5 columns. I.

NOTTINGHAM COLLIERY: The Greatest Producer of Anthracite in the World. Coll. Engr., vol. 9, p. 95. 5 columns.

THE NOTTINGHAM BREAKER. E. & M. J., vol. 78, p. 24. 2½ columns. I.

THE HENRY COLLIERY, WEST VIRGINIA. By J. T. Jennings. E. & M. J., vol. 77, p. 277. 7½ columns. I.

THE EUREKA COLLIERIES, PENNSYLVANIA. E. & M. J., vol. 77, p. 879. 5¾ columns. I.

The Ehrenfeld Colliery. E. & M. J., vol. 78, p. 257. 4½ columns. I.

The Bankhead Colliery of Alberta. E. & M. J., vol. 78, p. 954. 3 columns. I.

A Primitive Anthracite Mine and Breaker. By L. C. Morganroth. M. & M., vol. 20, p. 494. ⅞ column.

The Colonial Coke Company's Plant No. 1. E. & M. J., vol. 81, p. 226, 8 columns, I.; and p. 267, 5 columns, I.

The Truesdale Breaker: A Description of a New Breaker and Washery Designed to Handle an Output of 4000 Tons per Day. M. & M., vol. 26, p. 289. 9½ columns. I.

The Separation of Anthracite Coal from Slate. By G. H. Elmore. E. & M. J., vol. 76, p. 928. 2 columns.

Preparation of Anthracite Coal in the Price-Pancoast Colliery. E. & M. J., vol. 80, p. 51. I.

The Preparation of Coal for Market. M. & M., vol. 28, p. 583. 5½ columns.

The Preparation of Bernice Anthracite Coal. By C. R. Claghorn. Coll. Engr., vol. 10, p. 223. 4½ columns. I.

New Coal Separator and Washer at the Zollern Pit near Dortmund, Prussia. Coll. Engr., vol. 13, p. 124. 2 columns. I.

Modern Methods of Washing Bituminous Coal. By F. W. Parsons. E. & M. J., vol. 84, p. 16. 11 columns. I.

Anthracite Breaker of the Pacific Coal Company, Limited, Bankhead, Alberta. By L. Stockett and B. R. Worden. J. C. M. I., vol. 9, p. 261. 12 pages. I.

Dressing Sulphide Ores. By E. B. Wilson. M. & M., vol. 28, p. 507. 2½ columns. I.

Preparation of Mica in Brazil. T. I. M. & M., vol. 12, p. 356. 1 page.

Asphalt Refining: Methods Employed in the Tar Springs Asphalt Company's Refinery Near Comanche, Indian Territory. By W. R. Crane. M. & M., Mar., 1903, p. 337. 9 columns. I.

A Barytes Plant. E. & M. J., Jan. 19, 1905, p. 130. ¾ column.

The Concentration of Canadian Apatite. By F. J. Falding. E. & M. J., vol. 41, p. 462. 2 columns.

Working Quicksilver Ores: Concentration. Min. & Sci. Press, vol. 33, p. 250. 1¼ columns.

Mechanical Preparation of Almaden Ores. Min. & Sci. Press, vol. 37, p. 358. 1½ columns.

The Mining, Concentration, and Analysis of Corundum in Ontario, Canada. By W. L. Goodman. T. I. M. E., vol. 23, p. 446. 11 pages. I.

Asbestos Mining and Dressing at Thetford. By H. N. Thompson. T. F. C. M. I., vol. 2, p. 273. 5 pages.

Mining and Concentration of Corundum in Ontario. By M. F. Fairlie. J. C. M. I., vol. 5, p. 164. 6 pages.

Molybdenite: Its Occurrence, Concentration and Uses. By J. W. Wells. J. C. M. I., vol. 6, p. 47. 19 pages. I.

On Saving Platinum. By D. H. Stovall. Min. & Sci. Press, vol. 92, p. 109. ⅞ column.

The New Works at Clausthal for Dressing Ores. By J. C. F. Randolph. E. & M. J., vol. 25, p. 113, 3 columns, I.; p. 130, 5⅓ columns, I.; p. 150, 1 column, I.; p. 168, ⅔ column, I.; pp. 186 and 204, ½ and ⅓ column, I.; p. 222, 1½ columns, I.

Mills on the Lahn, Nassau, Germany. E. & M. J., vol. 54, p. 557. 2 columns. I.

The New Ore-Dressing Floor at Freiberg. E. & M. J., vol. 53, p. 233. 1⅞ columns. I.

The Mines and Mills in Pribram in Bohemia. By J. W. Mein. E. & M. J., vol. 53, p. 596, 1½ columns; p. 642, 1½ columns, I.; p. 665, 2½ columns, I.; vol. 54, p. 5, 2 columns, I.; p. 28, 1½ columns; and p. 53, 2 columns, I.

Two Notable Concentration Plants, Mexico. By G. A. Burr. E. & M. J., vol. 76, p. 392. 3 columns.

Ore Dressing in the Iglesias District, Sardinia. E. & M. J., vol. 76, p. 278. 1 column.

Big and Small Mills. Min. & Sci. Press, vol. 27, p. 392. 1 column.

Stamp-Mill Maxims. E. & M. J., vol. 71, p. 148. ½ column.

The Treatment of Ore Dumps in Cornwall. By E. Skewes. E. & M. J., vol. 72, p. 327. ⅔ column.

The Hunter Creek Mill: The Crushing of the Ores and the Methods Employed in Treating the Ores and Slimes. By Chas. E. Anderson. M. & M., July, 1902, p. 574. 2 columns.

Ore-Dressing and Smelting at Pribram, Bohemia. By E. Clark. T. A. I. M. E., vol. 9, p. 420.

The New Works at Clousthal for Dressing Ores. By J. C. F. Randolph. T. A. I. M. E., vol. 6, p. 470.

Concentrating Plants for Small Mines. By F. L. Bartlett. E. & M. J., vol. 65, p. 549. 4½ columns.

Summary of American Improvements and Inventions in Ore-Crushing and Concentration, and in the Metallurgy of Copper, Lead, Gold, Silver, Nickel, Aluminum, Zinc, Mercury, Antimony, and Tin. By J. Douglass. T. A. I. M. E., vol. 22, pp. 321 and 647.

Working Over an Old Dump. Min. & Sci. Press, vol. 80, p. 576. 4¾ columns.

Economy in Mill Water. By J. Scobey. E. & M. J., vol. 76, p. 891. 7 columns.

A Means of Economising Water in Concentration. By E. H. Johnson. P. C. & M. Soc. S. A., vol. 2, p. 439. 2 pages.

The Mechanical Drying of Minerals. By C. O. Bartlett. Min. & Sci. Press, vol. 87, p. 199. 1¾ columns.

Drying Coal. E. & M. J., vol. 76, p. 509.

Ore Drying. E. & M. J., vol. 76, p. 622.

CONCRETE, MORTARS, AND PLASTERS

Concrete, Its Manufacture and Uses

The Classification of the Crystalline Cements. Am. Geologist, vol. 29, pp. 146–154, 1902.

Cement Materials and Cement Industries of the United States. By E. C. Eckel. U. S. G. S., Bulletin No. 243, 395 pp. 1905.

The American Cement Industry. By E. C. Eckel. U. S. G. S., Bulletin No. 260, pp. 496–505. 1905.

Cement: A Series of Annual Articles on the Cement Industry and the Production of Cement in the United States. By L. L. Kimball. In Mineral Resources U. S. for 1901, 1902, 1903, 1904, and 1905.

Portland Cement. A series of annual articles on Portland cements, appearing in the various volumes of the Mineral Resources U. S. previous to that for 1901. By S. B. Newberry.

Portland Cement Mortars and Their Constituent Materials: Results of tests, 1905 to 1907. By S. B. Newberry. U. S. G. S., Bulletin No. 331.

Lime and Sand-lime Brick. By S. B. Newberry. In Mineral Resources U. S. for 1906, pp. 985–991. 1907.

Limestone Screenings in Cement Mortars. By A. N. Talbot. J. W. Soc. E., vol. 2, p. 391. 28 pages.

Wet, Dry or Medium Concrete. By H. W. Parkhurst. J. W. Soc. E., vol. 7, p. 257. 15 pages. I.

Cements in Mortars and Concretes. By W. L. Marshall. J. W. Soc. E., vol. 1, p 212. 15 pages.

Cement and Cement Mortars. By T. T. Johnson. J. W. Soc. E., vol. 1, p. 78. 12 pages.

Grades of Concrete, Varying with Proportion of Cement. E. & M. J., vol. 84. p. 696. Note.

Iron Ore for Concrete. E. & M. J., vol. 72, p. 758. Note.

The Technology of Cement Plaster in Kansas. (Gypsum.) By P. Wilkinson. E. & M. J., Nov. 12, 1898, p. 576. 2 columns. I.

Portland Cement: Description of Methods Employed in Its Manufacture, and Types of American and Foreign Cement Machinery. By R. K. Meade. M. & M., July, 1902, p. 529. 6½ columns.

Notes on Concrete. By R. W. Leonard. J. C. M. I., vol. 8, p. 102. 8½ pages. I.

Quality of Stone Used for Concrete. Min. & Sci. Press, vol. 84, p. 189. ⅔ column.

Mixing Concrete. By J. H. Robinson. E. & M. J., vol. 81, p. 130. 2 columns.

Cement. By S. B. Ladd. Rept. Census Office, Mines and Quarries, 1902, p. 839. 30 columns.

Slag Cement. E. & M. J., vol. 76, p. 18, 1 column; and p. 509, ¼ column.

Theory of Action in Cement. E. & M. J., vol. 78, p. 252. Note.

The Revised British Standard Specification for Portland Cement. Concrete and Constructional Eng., vol. 2, p. 261. 4 columns. I.

Mortars. By J. A. Shinn. P. E. Soc. W. Pa., vol. 20, p. 455. 6 pages.

A Modern Lime-Burning Plant. By R. B. Brinsmade. M. & M., vol. 27, p. 137. 3 columns. I.

The Laws of Proportioning Concrete. Concrete and Constructional Eng., vol. 2, p. 291. 10 columns. I.

Portland Cement: Its Constitution, Properties and Manufacture. Regions where the Different Materials are Found. By R. K. Meade. M. & M., June, 1902, p. 483. 4 columns.

Notes on Hydraulic Cement. By A. W. Hale. E. & M. J., vol. 66, p. 544. 1¼ columns.

Stamp Sand in Cement Mortar. By E. Kidwell. E. & M. J., vol. 59, p. 173. ¾ column. Table.

Cement in Sea-Water. By W. Michaelis. Engineering, London, vol. 63, p. 495, 6 columns; pp. 458 and 619, ¼ column.

Composition of Concrete: Proportion of Parts. M. & M., Aug., 1904, p. 11.

The Manufacture of Slag Cement. In Mineral Industry, vol. 10, pp. 84–95. 1902.

The Materials and Manufacture of Portland Cement. In Senate Document No. 19, 58th Congress, 1st session, pp. 2–11. 1903.

Portland Cement Manufacture. In Municipal Engineering, vol. 24, pp. 335–336; vol. 25, pp. 1–3, 75–76, 147–150, 227–230, 405–406. 1903.

American Rock Cement. By U. Cummings. Mineral Resources U.S. previous to that for 1901.

Portland Cement. By S. B. Newberry. Mineral Resources U. S. previous to that for 1901.

Digests of U. S. Patents Relating to Cement. Rept. Census Office, Mines and Quarries, 1902, p. 849. 10 columns.

The Uses of Concrete In Recent Engineering Practice: The Materials from which it is Made and the Purpose to which it has been Applied. By S. H. Lea. M. & M., Sept., 1903, p. 81. 6 columns.

Concrete in Smelting Work. E. & M. J., vol. 78, p. 460. ¾ column.

Cement and Its Uses. By A. Noble. J. W. Soc. E., vol. 1, p. 55. 16 pages.

Sand for Mortar. E. & M. J., vol. 80, p. 1022. 1 column.

Mixing and Placing Concrete: Placing, Forms, Facing, Methods of Handling under Water or in Freezing Weather, Waterproofing.

By S. H. Lea. M. & M., vol. 24, p. 203, and p. 149, 8½ columns. I.

Mixing and Placing Concrete: The Uses of Concrete in Mining Work, Linings, Dams, Foundations, etc. Costs of Mixing and Placing. By S. H. Lea. M. & M., vol. 24, p. 257; p. 101. 8½ columns. I.

Brick Masonry. E. & M. J., vol. 76, p. 277. ⅔ column.

Permeability of Cement and Mortar. E. & M. J., vol. 47, p. 393. 1 column.

Sand-Lime Brick. By E. W. Lazell. E. & M. J., vol. 81, p. 374. 6½ columns.

Brick Masonry. By L. C. Weldin. P. E. Soc. W. Pa., vol. 20, p. 451. 4¾ pages.

Steel and Concrete Construction. M. & M., vol. 27, p. 562. ⅔ column.

Ferro-Concrete and Its Appliances. By T. J. Gueritte. T. I. M. E., vol. 33, p. 10. 14 pages. I.

Re-enforced Concrete. By R. A. Cummings. P. E. Soc. W. Pa., vol. 20, p. 577. 4½ pages.

The Historical Evolution of Reinforced Concrete in Austria. By Dr. Ludwig Hess. Concrete and Constructional Eng., vol. 2, p. 265. 12 columns. I.

Reinforced Concrete: Some of Its Principles, with Practical Illustrations. By W. L. Webb. Sci. Am. Supp., vol. 50, p. 24853. 6 columns.

Mixing and Laying Bituminous Concrete and Mill Floors. By C. H. Chadrey. E. & M. J., vol. 82, p. 647. ¾ column.

A Water-Proof Paint for Plaster. E. & M. J., vol. 81, p. 1053. Note.

White-Wash, Government Specification for. E. & M. J., vol. 81, p. 1053. Note.

Tempering Mortar. By J. H. Granbery. E. & M. J., vol. 81, p. 88. 1 column.

Laying Concrete in Freezing Weather. Eng.-Cont., vol. 27, p. 149. ½ column.

Placing Submerged Concrete. Eng.-Cont., vol. 27, p. 137. 1 column.

Method and Cost of Finishing Concrete Surfaces by Rubbing. By H. H. Quimby. Eng.-Cont., vol. 27, p. 26. 5⅓ columns.

Drilling Bolt Holes in Green Concrete. Eng.-Cont., vol. 27, p. 71. ⅓ column.

Cement Required in Laying Pipe. Domestic Engineering, vol. 40, p. 102. 1¼ column. I.

Methods and Cost of Moulding Concrete Culvert Pipe, Chicago and Illinois Western R. R. Eng.-Cont., vol. 27, p. 68. 3¾ columns. I.

Forms for Concrete Constructions. By S. E. Thompson. Eng.-Cont., vol. 27, p. 25. 4½ columns.

The Design of Economic Centers for a Reinforced Concrete Arch. Eng.-Cont., vol. 27, p. 30. 7⅞ columns. I.

A Collapsible Steel Centering for Concrete Conduit Work. Eng.-Cont., vol. 27, p. 73. 2½ columns. I.

A Large Steel-Concrete Stack. E. & M. J., vol. 81, p. 317. 1½ columns.

A Concrete Breaker: Application of Reinforced Concrete Construction in Building the Pine Hill Breaker, near Minersville, Pa. M. & M., vol. 26, p. 241. 6 columns. I.

Concrete Piles. E. & M. J., vol. 79, p. 1134. ¼ column.

Quantity of Sand Required for Cement Mortar. E. & M. J., vol. 77, p. 968. 1⅓ columns.

Concrete Retaining Walls. M. & M., Aug., 1904, p. 14.

New Uses of Concrete in Building Construction. E. & M. J., vol. 76, p. 622. 1½ columns.

Cement Floors. E. & M. J., vol. 80, p. 199. ⅓ column.

Ratio of Filling to Cement in Solid and Hollow Blocks. E. & M. J., vol. 79, p. 1137. Note.

Concrete Mortar Blocks for Stamp Mills. E. & M. J., vol. 75, p. 514. 1 column.

Failure of Concrete in Western Smelting Practice. E. & M. J., vol. 83, p. 99. Note.

Portland Cement Materials: Iron as a Constituent — Importance of Thorough Mixing — Sources of Material in the United States. By O. H. Howarth. M. & M., vol. 26, p. 206. 6 columns.

Effect of Oil or Fat on Portland Cement. E. & M. J., vol. 79, p. 1137. Note.

Occurrence of Cement Materials

The Gypsum and Cement Plaster Industry in California. By G. P. Grimsley. E. & M. J., vol. 71, p. 724. ⅞ column.

The Cement Belt In Lehigh and Northampton Counties, Pennsylvania: A Description of the Geological Formations. By F. B. Peck. M. & M., Sept., 1904, p. 53. 8½ columns. I.

Cement in Paraguay. M. & M., July, 1902, p. 564. ¼ column.

Cement Investigations in Arizona. By E. Duryee. In Bulletin U. S. Geol. Survey, No. 213, pp. 372–380. 1903.

The Portland Cement Industry in Michigan. By I. C. Russell. In Twenty-second Ann. Rept. U. S. Geol. Survey, pt. 3, pp. 629–686. 1902.

The Portland Cement Materials of Central and Southern Alabama. By E. A. Smith. In Senate Document No. 19, 58th Congress, 1st session, pp. 12–23. 1903.

Slag Cement in Alabama. By E. C. Eckel. In Mineral Resources for 1900, pp. 747–748. 1901.

The Cement Industry of Western Australia. By T. A. Rickard. E. & M. J., vol. 72, p. 38. 3⅞ columns. I.

The Portland Cement Industry in Michigan. E. & M. J., vol. 73, p. 657. 1⅞ columns.

The Cement-Materials of Southwest Arkansas. By J. C. Branner. T. A. I. M. E., vol. 27, pp. 42 and 944.

Cement-Rock and Gypsum Deposits in Buffalo. By J. Pohlman. T. A. I. M. E., vol. 17, p. 250.

The Cement Resources of Alabama. By S. H. Lea. M. & M., vol., 25, p. 531. 3⅔ columns. I.

The Portland Cement Industry in Europe. By P. Giron. E. & M. J., vol. 55, p. 341. 1 column.

Weight of Portland Cement. E. & M. J., vol. 78, p. 580. Note.

Portland Cement Resources of West Virginia. By G. P. Grimsley. E. & M. J., vol. 83, p. 998. 4½ columns.

Cement Materials of the Valley of Virginia. By R. S. Bassler. U. S. G. S., Bull. No. 260, pp. 531–544. 1907.

Cement Resources of the Valley of Virginia. By C. Catlett. U. S. G. S., Bull. No. 225, pp. 457–461. 1904.

Slag Cement in Alabama. By E. C. Eckel. U. S. G. S., Mineral Resources U. S. for 1900, pp. 747–748. 1901.

Cement Investigations in Arizona. By E. Duryee. U. S. G. S., Bull. No. 213, pp. 372–380. 1903.

Geology and Cement Resources of the Tombigbee River District, Mississippi-Alabama. By E. C. Eckel and A. F. Crider. Senate Doc. No. 165, 58th Cong., 3d sess. 21 pp. 1905.

The Portland Cement Materials of Central and Southern Alabama. By E. A. Smith. In Senate Doc.

No. 19, 58th Cong., 1st sess., pp. 12–23. 1903.

Cement Resources of Alabama. U. S. G. S., Bulletin No. 225, pp. 424–447. 1904.

Cement Resources of the Cumberland Gap District, Tennessee-Virginia. U. S. G. S., Bulletin 285, pp. 374–376. 1906.

The Portland Cement Industry in Michigan. By I. C. Russell. U. S. G. S., Twenty-second Ann. Rept., pt. 3, pp. 620–686. 1902.

Portland Cement Resources of New York. U. S. G. S., Bulletin No. 260, pp. 522–530. 1905.

Cement-Rock Deposits of the Lehigh District. U. S. G. S., Bull. No. 225, pp. 448–450. 1904.

Portland Cement Materials near Dubuque, Iowa. By E. F. Burchard. U. S. G. S., Bull. No. 315, pp. 225–231. 1907.

Cement Materials in Iowa. By E. H. Lonsdale. E. & M. J., Aug. 17, 1895, p. 153. 1¼ columns. I.

Cement Resources of Northeast Mississippi. By A. F. Crider. U. S. G. S., Bull. No. 260, pp. 510–521. 1905.

Cement Resources of Washington. By H. Landes. U. S. G. S., Bulletin No. 285, pp. 377–383. 1906.

See Districts for further information.

Properties and Characteristics of Concrete

A Hypothetical New Hydraulic Cement. By A. D. Elbers. E. & M. J., vol. 61, p. 373, 2¼ columns; and p. 442, 1 column.

Specifications for Concrete. E. & M. J., vol. 76, p. 657. ¼ column.

The Relative Value of Cements: Tensile Strengths. By C. D. Lameson and H. Remley. E. & M. J., vol. 51, p. 288. 1¼ columns.

Limestone Screenings for Use in Concrete. E. & M. J., vol. 78, p. 344. ⅔ column.

The Strength of Ferro-Concrete. E. & M. J., vol. 74, p. 449. ½ column.

The Technology of Cement Plaster. By P. Wilkinson. T. A. I. M. E., vol. 27, p. 508.

The Testing of Portland Cement. By P. Giron. E. & M. J., Nov. 18, 1893, p. 522. 1½ columns.

Experiments on Steel-Concrete Pipes. M. & M., vol. 26, p. 209. ⅔ column.

Use of Rubble Concrete for Thin Walls. E. & M. J., vol. 77, p. 558. ⅓ column.

Water Tightness in Concrete. By T. P. Roberts. P. E. Soc. W. Pa., vol. 19, p. 136. 4½ pages. I.

Ultimate Strength of Slow vs. Rapid Setting Cement. By E. B. Noyes. J. W. Soc. E., vol. 1, p. 70. 1 page.

The Strength of Reinforced Concrete. By T. L. Condon. J. W. Soc. E., vol. 10, p. 329. 36½ pages. I.

A Comparison of Reinforced Concrete Formulas. By L. D. Cornish. P. E. Soc. W. Pa., vol. 20, p. 581. 10½ pages. I.

Experiments on the Elasticity of Concrete. By C. Bach. J. W. Soc. E., vol. 1, p. 84. 5 pages.

Gypsum Plasters.

Manufacture of Plaster of Paris. By C. O. Bartlett. E. & M. J., vol. 82, p. 1063. 6 columns. I.

The Manufacture of Plaster of Paris: Process, Machinery Employed and Cost of Same. E. & M. J., vol. 75, p. 715. ¾ column.

The Gypsum Plaster Industry of Kansas. By W. R. Crane. E. & M. J., vol. 77, p. 442. 10 columns. I.

A New Use for Gypsum. E. & M. J., vol. 77, p. 956. 1½ columns.

Use of Concrete in Mines

Cement as a Lining for Headings in Mines. E. & M. J., vol. 32, p. 323. ¼ column.

Use of Concrete in Mining: Its Adaptability for Lining Shafts and Drifts and Making Stoppings — The Methods of Putting it in Place. By M. M. Habets. M. & M., vol. 21, p. 255. 3 columns. I.

Lining Mine Shafts (with Segmented Blocks of Concrete). Min. & Sci. Press, vol. 66, p. 184. ¼ column.

Lining Wells with Concrete: Mould for Same. Min. & Sci. Press, vol. 57, p. 381. 1 column. I.

A Concrete Lined Shaft. By F. Donaldson. Min. & Sci. Press, vol. 89, p. 340. 2 columns. I.

Use of Cement in Shaft-Sinking. By B. H. Brough. T. F. I. M. E., vol. 4, p. 343. 6 pages.

Reinforced Concrete Caissons. Concrete & Constructional Eng., vol. 2, p. 329. 2½ columns. I.

Concrete Caissons. Eng.-Cont., vol. 27, p. 149. ⅓ column.

Lining a Mine Roadway with Concrete. By Ghysen. T. I. M. E., vol. 26, p. 631. ⅔ page.

Reinforced Concrete Bulkhead at the Daly-Judge Mine. M. & M., vol. 28, p. 79. 1 column. I.

Damming Off Water by Cement-Grouting of the Natural Water-Channels. By A. Wiede. T. I. M. E., vol. 27, p. 718. 1 page.

The Use of Cement-Concrete in the Working of Thick Coal Seams. By J. H. Piffaute. T. I. M. E., vol. 29, p. 274. 7 pages. I.

Concrete Lining for Mine Shafts. By F. R. Dravo. P. E. Soc. W. Pa., vol. 21, p. 319, 12 pages, I.; and Engineering News, Nov. 4, 1904.

A Concrete Brattice Explosion Door. M. & M., vol. 27, p. 455. ¾ column. I.

A Concrete Lined Shaft. E. & M. J., vol. 77, p. 646. 4⅓ columns.

Reinforced Concrete in Mines: Mine Gallery Revetments (France). Concrete & Constructional Eng., vol. 2, p. 330. 4½ columns. I.

Concrete in Mining and Metallurgical Engineering. By H. W. Edwards. T. A. I. M. E., vol. 35, p. 60, 20 pages, I.; and p. 965, 4 pages.

Water-Proofing Concrete. E. & M. J., vol. 78, p. 262. Note.

Use of Concrete in Coal Mining. By M. Piffaute. E. & M. J., vol. 80, p. 631. 1 column.

Concrete Steel Chimney at Tacoma. E. & M. J., vol. 80, p. 631. 1½ columns. I.

Concrete Steel Roof of Long Span. E. & M. J., vol. 80, p. 637. 1 column. I.

Lining Shafts with Concrete. E. & M. J., vol. 69, p. 616. ½ column; M. & M., vol. 21, p. 254. I.

Concrete Over-Casts and Air-Stop. M. & M., Mar., 1905, p. 397.

Concrete Overcasts in Coal Mines. By J. H. Haertter. E. & M. J., vol. 84, p. 448. 9 columns. I.

A Concrete Shaft Sinking Through Quicksand. E. & M. J., vol. 83, p. 1239. 1½ columns.

The Syracuse Shaft on the Mesabi. E. & M. J., vol. 84, p. 66. 8 columns. I.

Cement Props in Coal Mining. E. & M. J., vol. 83, p. 147. Note.

Concrete Lining for Shafts: Germany. E. & M. J., vol. 82, p. 874. ½ column.

Artificial Concrete "Parting" or Roof for Thick Coal Seams. E. & M. J., vol. 81, p. 621. Note.

The Facing of Pits and Galleries: Employment of Concrete. E. & M. J., vol. 6, p. 241. 1¼ columns.

Concrete Roof Supports. M. & M., vol. 27, p. 542. 3½ columns. I.

Lining Shafts with Concretes and Expanded Metal: Methods Employed at Two Shafts of the Coal

Department of the Lackawanna Railroad. M. & M., vol. 24, p. 202; vol. 21, p. 254. I.

Concrete in Mining and Metallurgical Engineering: Purposes to which it is Adapted and Methods of Compounding and Placing. By H. W. Edwards. M. & M., Aug., 1904, p. 11. 8 columns. I.

Concrete Shaft-Lining. M. & M., vol. 25, p. 188. 5 columns. I.

Concrete Stringers for Tracks in Mine Shafts. M. & M., vol. 26, p. 347. ⅔ column.

An Elliptical Concrete Shaft-Lining at Bridgeport, Pa.: Considerations Affecting Its Choice, Construction and Mine Connection. M. & M., vol. 27, p. 108. 6 columns. I.

Concrete Stoppings for Mine Work. M. & M., vol. 28, p. 313. Note.

Concrete Gutter for Intercepting Water in Shaft. M. & M., vol. 28, p. 391. I.

Concrete Stringers in the Lake Superior Copper Mines. E. & M. J., vol. 83, p. 323. 1 column.

CONVEYORS FOR MINERAL AND COAL

Kinds of Conveyors, Operation, etc.

Sliding-Trough Conveyors. By M. Malplat. T. I. M. E., vol. 33, p. 198. 3 pages. I.

Sand Launders. E. & M. J., vol. 80, p. 1119. 2 columns.

Chute Landings (for loading lumber on ships. A possible chance for application to ores). Min. & Sci. Press, vol. 57, p. 9. 1 column. I.

Chute Landings. Min. & Sci. Press, vol. 57, p. 245. ¼ column. I.

Traveling Trough Conveyor. E. & M. J., vol. 79, p. 924. 2 columns. I.

Endless Trough or Pan Conveyor. E. & M. J., vol. 55, p. 443. 1½ columns. I.

A Device for Cleaning Conveyor Belts. E. & M. J., vol. 83, p. 282. 1 column. I.

Notes on Conveying-Belts and Their Use. By Thomas Robins, Jr. T. A. I. M. E., vol. 26, p. 78.

Combined Cable Excavator and Conveyor: A Simple Form of Cableway Employed in Excavating the Suwanee Canal, Georgia. Eng. News, Feb. 20, 1896.

The Triumph Steel-Belt Conveyor. M. & M., Sept., 1904, p. 80. ¾ column. I.

Endless Open-Trough Roller Conveyor. M. & M., Jan., 1903, p. 276. ¾ column.

A Conveying Device. By Alfred Gradenwitz. M. & M., Jan., 1905, p. 291. 1 column.

Robins Belt Conveyors at British Columbia Copper Company. M. & M., Sept., 1901, p. 77. ½ column.

A Retarding Conveyor: An Apparatus of Large Capacity for Delivering Coal from Mine Openings at High Levels to Railroad at Lower Points. M. & M., Jan., 1904, p. 261.

Portable Belt Conveyors. M. & M., Aug., 1901, p. 17. 1 column.

Belt Conveyors: Suggestions in Regard to Their Use — Principles of Construction and Proper Methods of Caring for Them. By J. J. Ridgway. M. & M., Dec., 1904, p. 242.

Angle of Spouting for Flouring Mills. Min. & Sci. Press, vol. 37, p. 51. ⅓ column.

Size, Inclination, Speed, etc., of Conveyor. M. & M., vol. 21, p. 362. ½ column.

The Horizontal Monobar Conveyor. E. & M. J., vol. 62, p. 152. ⅔ column. I.

Lumber Chutes on the California Coast. Min. & Sci. Press, vol. 49, p. 277. 2½ columns. I.

CONVEYORS: Push-forward and Push-backward Forms. E. & M. J., vol. 76, p. 774. I.

CONVEYOR BELTS FOR COARSE ROCK. E. & M. J., vol. 79, p. 1237. ½ column.

GARLAND'S CABLE CONVEYOR. Min. & Sci. Press, vol. 56, p. 101. ½ column. I.

THE NEW KLEINFONTEIN CONVEYOR SYSTEM. By E. H. Mersiter. E. & M. J., vol. 81, p. 995. 2 columns. I.

THE GRAVITY OR TILTING BUCKET CONVEYORS. The Mech. Handling of Material, p. 93. 14 pages. I.

PNEUMATIC ELEVATORS AND CONVEYORS. The Mech. Handling of Material, p. 107. 10 pages.

BAND CONVEYORS, CAPACITY OF. The Mech. Handling of Material, p. 57. 14 pages. I.

METAL BAND CONVEYORS. The Mech. Handling of Material, p. 71. 3 pages. I.

THE CONTINUOUS OR TRAVELING TROUGH CONVEYOR. The Mech. Handling of Material, p. 77. 2 pages. I.

VIBRATING TROUGH CONVEYOR. The Mech. Handling of Material, p. 79. 11 pages. I.

WORM CONVEYORS: Capacity and Power to Drive. The Mech. Handling of Material, p. 36. 8 pages. I.

PUSH-PLATE OF SCRAPER CONVEYORS. The Mech. Handling of Material, p. 45. 9 pages. I.

TROUGH-CABLE CONVEYORS. The Mech. Handling of Material, p. 53. 4 pages. I.

CAR RETARDERS FOR INCLINES. M. & M., vol. 24, p. 173. 2 columns. I.

See ELEVATORS FOR MINERAL AND COAL.

Loading and Unloading Conveyors for Vessels and Cars, etc.

CONVEYING-BELTS AND THEIR USE. By T. Robins, Jr. E. & M. J., vol. 62, p. 56, 3 columns, I.; and p. 77. I.

THE VICTOR BOX-CAR LOADER. M. & M., Aug., 1902, p. 29. 1½ columns.

THE SMITH BOX-CAR LOADER. E. & M. J., vol. 79, p. 683. 3 columns. I.

BOX-CAR LOADERS: A Description of Some of the Early Types and Their Development to Those in Practical Use at the Present Time. By W. L. Affelder. M. & M., Mar., 1905, p. 372. 11 columns. I.

THE HIGHEST POWER STATION COAL HOISTING TOWERS. E. & M. J., vol. 73, p. 899. 3½ columns. I.

COAL HOISTS. By J. Kahn. M. & M., vol. 19, p. 392. 6½ columns. I.

COAL STORAGE: The Different Methods of Storing and Handling the Steam Sizes of Anthracite Coal. By C. Piez. M. & M., vol. 18, p. 485. 7½ columns. I.

ELECTRICALLY OPERATED CONVEYORS FOR LOADING VESSELS FROM RAILROAD CARS. E. & M. J., vol. 81, p. 189. Note.

BARTLETT COAL CARRIER FOR LOADING VESSELS. M. & M., vol. 21, p. 286. 1 column. I.

DOCK EQUIPMENT FOR THE RAPID HANDLING OF COAL AND ORE ON THE GREAT AMERICAN LAKES. By A. C. Johnson. T. I. M. E., vol. 19, p. 82. 24 pages. I.

SOAR'S PATENT COAL-LOWERING APPARATUS: Loading Cars and Boats. By C. Soar. T. F. I. M. E., vol. 1, p. 183. 3 pages. I.

THE BETHUNE COLLIERIES: Loading Wharves. By M. W. Brown. T. F. I. M. E., vol. 3, p. 1018. 5 pages. I.

NEW HULETT COAL UNLOADER ON ROCHESTER AND PITTSBURG COAL AND IRON COMPANY'S DOCKS AT BUFFALO, N. Y. M. & M., vol. 19, p. 197. 1½ columns. I.

TELESCOPIC SPOUT FOR SAVING BREAKAGE OF COAL IN THE FIRST SHIPMENT. By E. W. Crone. T. I. M. E., vol. 15, p. 72. 2 pages. I.

THE BELT CONVEYOR IN CYANIDE PLANTS. E. & M. J., vol. 82, p. 922. 1½ columns. I.

CONVEYORS IN THE PALMER MOUNTAIN MILL. E. & M. J., vol. 82, p. 1080. 1½ columns.

PRESSURE BLOWER FOR CULM, ORE OR GRAIN. M. & M., Apr., 1901, p. 406.

THE BROWN PATENT AUTOMATIC PULP DISTRIBUTOR. E. & M. J., vol. 62, p. 513. 1 column. I.

CONVEYING CULM BY BLOWERS. E. & M. J., vol. 54, p. 489. ½ column.

MECHANICAL CONVEYORS. E. & M. J., vol. 77, p. 640, 4¼ columns; and p. 681, 2½ columns.

A BELT CONVEYOR OF RECENT TYPE. E. & M. J., vol. 78, p. 107. 2 columns. I.

A NEW COAL CONVEYOR IN USE AT THE URSINA COAL COMPANY'S PLANT, HUMBERT, PA. E. & M. J., vol. 76, p. 778. 2 columns. I.

THE LIDGERWOOD CONVEYOR USED ON THE CHICAGO DRAINAGE CANAL. Engineering, London, vol. 63, p. 272. I.

THE BROWN CONVEYOR, CHICAGO CANAL. Engineering, vol. 63, p. 299. I.

THE BROWN HOISTING AND CONVEYING MACHINES. By Axel Sahlin. Engineering, London, vol. 66, p. 42. 10 columns. I.

COAL HANDLING MACHINERY. By C. Piez. M. & M., vol. 19, p. 294. 6 columns. I.

COAL-SHIPPING BY BELTS. By J. Morison. T. I. M. E., vol. 15, p. 67. 6 pages. I.

ECONOMICAL EXCAVATION: Belt Conveyor Uses. E. & M. J., vol. 69, p. 52. 1 column. I.

HOWDEN SLAG CONVEYOR. T. A. I. M. E., vol. 27, pp. 23, 24.

CONVEYING COAL IN A BREAKER. T. A. I. M. E., vol. 19, p. 430.

COAL-CONVEYOR FOR N. Y. SUBWAY POWER-PLANT. N. Y. Tribune, Feb., 1905, and Min. Mag., Mar., 1905, p. 273.

ROBINS BELT CONVEYOR AS TAILINGS STACKERS. M. & M., Nov., 1902, p. 148. 1 column.

See STORAGE OF MINERAL AND COAL.

Conveyors Underground

MECHANICAL CONVEYORS FOR LONG-WALL MINING. By J. I. Thomas. M. & M., vol. 28, p. 200. 6 columns. I.

A CONVEYOR FOR FILLING COAL AT THE FACE. By L. André. T. I. M. E., vol. 31, p. 106. 2½ pages. I.

CONVEYORS UNDERGROUND. P. C. M., vol. 3, p. 73. 2 pages. I.

THE MICKLEY CONVEYOR (in Coal Mines). By J. W. Batey. T. I. M. E., vol. 29, p. 268. 5½ pages. I.

CONVEYOR-SYSTEM FOR LOADING AT THE COAL-FACE. By F. W. Parsons. E. & M. J., vol. 83, p. 958. 6 columns. I.

SHAKING CHUTE FOR CONVEYING ORE IN STOPE ON RAND. J. C. & M. Soc. S. A., vol. 4, p. 333. 5 pages. I.

THE MICKLEY CONVEYOR (in Coal Mine). By J. W. Batey. E. & M. J., vol. 81, p. 652. 2½ columns. I.

WORKING A BLACKETT CONVEYOR IN THE WORKING FACE OF A THIN SEAM. By H. Badeley. M. & M., vol. 25, p. 607. 2 columns.

THE JEFFREY STEEL CABLE CONVEYOR. E. & M. J., vol. 55, p. 201. ⅓ column. I.

COAL CONVEYORS IN LONG-WALL WORKING. By H. Palmer. E. & M. J., vol. 79, p. 853. 4 columns. I.

COAL UNLOADING MACHINES: A Description of the Different Types of Car-Dumping Machines Used at Lake Erie Ports. By W. B. Hanlon. M. & M., vol. 18, p. 433. 9 columns. I.

CONSTRUCTION OF CHUTES FOR LOADING SKIP, LAKE SUPERIOR. E. & M. J., vol. 78, p. 826. I.

A COLLIERY-WASTE CONVEYOR. By R. A. Henry. E. & M. J., vol. 80, p. 1210. 1 column.

USE OF CONVEYORS IN FILLING COAL SEAMS. T. I. M. E., vol. 29, p. 449. 47 pages. I.

DAMS FOR MINING PURPOSES

Stresses in Dams, Their Stability, and Other Data

New Experimental Data for Flow Over a Broad Crested Dam. By T. T. Johnson and E. L. Cooley. J. W. Soc. E., vol. 1, p. 30. 22 pages. I.

The Distribution of Shearing Stress in Masonry Dams. By W. C. Unwin. Engineering, London, vol. 79, p. 825. 7 columns. I.

Shearing Stresses in Walls Subjected to Horizontal Thrust. Engineering, London, vol. 79, p. 847. 2½ columns. I.

Note on the Theory of Unsymmetrical Masonry Dams. By W. C. Unwin. Engineering, London, vol. 79, p. 513, 7 columns, I.; p. 593, 2¼ columns.

The Stability of Masonry Dams. Engineering, London, vol. 79, p. 414. 3 columns. I.

The Stability of Masonry Dams. Engineering, London, vol. 79, p. 615. 1½ columns.

The Internal Hydrostatic Pressure in Masonry, with Special Reference to Masonry Dams. By A. E. Broenniman. J. W. Soc. E., vol. 2, p. 449. 61 pages. I.

Internal Stresses in Masonry Dams. By S. D. Bleich. Sch. Mines Quart., vol. 27, p. 33. 6 pages. I.

Brickwork under Pressure as Applied to Dams. E. & M. J., vol. 33, p. 210. ½ column.

Note on Some Results of the Storage of Water in Arizona. By W. P. Blake. T. A. I. M. E., vol. 17, p. 476.

Evaporation of Water from Reservoirs. E. & M. J., vol. 83, p. 77.

Data Pertaining to Rainfall and Stream Flow. By T. T. Johnson. J. W. Soc. E., vol. 1, p. 297. 10 pages. I.

Areas of Waterways for Railroad Culverts and Bridges. By G. H. Brenner. J. W. Soc. E., vol. 11, p. 137. 54½ pages. I.

Gauging of Streams. By W. G. Price. J. W. Soc. E., vol. 3, p. 1025. 16½ pages. I.

Description of Dams and Their Construction

Dam Construction. By Chas. E. Parsons. T. A. I. M. E., vol. 34, p. 68. 24 pages.

Steel Dam Construction, Lake Superior Region. M. & M., July, 1903, pp. 538–539.

Green Creek Dam. T. A. I. M. E., vol. 26, pp. 320, 321, 323.

Dam to Form Reservoir for Collecting Slimes. T. A. I. M. E., vol. 33, p. 520.

Dams for Mining Operations: With Special Reference to Placer Workings. Placer Mining, p. 74.

Dams for Hydraulic Mining. T. A. I. M. E., vol. 6, p. 76.

A Montana Crib Dam. By E. Carroll. E. & M. J., vol. 67, p. 711. 2 columns. I.

A Log Dam for a Mining Power Plant. By R. G. Brown. E. & M. J., vol. 62, p. 509. 2 columns. I.

The Assouan Dam on the Nile. Engineering, London, vol. 69, p. 318. 4 columns. I.

Some Reservoirs Which I Have Seen. By J. R. Croes. Columbia Engineer, '97–'98, p. 22. 14 pages. I.

The Lagrange Dam, California. By E. H. Barton. T. A. I. M. E., vol. 29, p. 894.

Measures Adopted for the Safety and Service of Reservoir Dams. By P. Kresnik. E. & M. J., vol. 49, p. 245. 1½ columns.

The Walnut Grove Dam Disaster in Wyoming. E. & M. J., vol. 49, p. 244. 2 columns. I.

On Walls to Resist the Pressure of Water (Dams). By M. Pellereau. E. & M. J., vol. 26, p. 93. ½ column.

Building an Impounding Dam, Johannesburg, South Africa. By F. B. Knight. M. & M., vol. 20, p. 442. 1½ columns. I.

Building Debris Dams. Min. & Sci. Press, vol. 46, p. 182. 2⅓ columns.

How to Build a Dam. Min. & Sci. Press, vol. 64, p. 36. ¾ column.

Specifications of the Yuba Dams. Min. & Sci. Press, vol. 41, p. 104. ½ column.

Dams Which Have Burst. Min. & Sci. Press, vol. 58, p. 460. 7 columns. I.

Dams in California: Dry Stone Dam. Min. & Sci. Press, vol. 54, p. 49. ½ column. I.

Making a Reservoir Water Tight. Eng.-Cont., vol. 27, p. 149. ¾ column.

The Benton Mills Dam, Mariposa County, California. Min. & Sci. Press, vol. 84, p. 32. ½ column. I.

The Melones Mining Company's Dam, California. Min. & Sci. Press, vol. 84, p. 126. 2½ columns. I.

The Redridge Dam (Baltic). Min. & Sci. Press, vol. 83, p. 88. 3⅔ columns. I.

Masonry Dams and Retaining Walls. By G. T. Pardoe. Min. & Sci. Press, vol. 80, p. 180, 3 columns, I.; p. 208, 2⅔ columns, I.; p. 236, 2¼ columns; p. 261, 2 columns; p. 290, 2 columns; and p. 520, 2⅞ columns, I.

Wing Dams. By R. L. Dunn. Min. & Sci. Press, vol. 76, p. 260, 1½ columns; and p. 312, 1⅓ columns.

Method of Constructing a Concrete (Reinforced) Reservoir at Fort Meade, South Dakota. By S. H. Lea. Eng.-Cont., vol. 27, p. 91. 7½ columns. I.

Timber Weirs (Dams): Notes on Water Supply in New Countries, plates 13, 14, 15, 16, 17.

Stone Weir. Notes on Water Supply in New Countries, plate 18.

Tailings Dams, Elkhorn Mine, Montana. U. S. G. S., 22 Geol. Rept. pt. 2, plate 44.

Method and Cost of Driving Steel Sheet Piling for the Cut-off Wall of a Concrete Dam Founded on Sand. By C. P. Abbott. Eng.-Cont., vol. 27, p. 21. 1 column. I.

Closing the Break in the Colorado River. Min. & Sci. Press, vol. 94, p. 353. 2 columns.

A Device for Regulating the Discharge of Water from a Reservoir. By P. Bouéry. T. A. I. M. E., vol. 37, p. 565. 6 pages. I.

Concrete Water-Power Dam at Rock Island Arsenal, Illinois. By O. C. Horney. J. W. Soc. E., vol. 2, p. 389. 21 pages. I.

Structural Steel Dams. By F. H. Bainbridge. J. W. Soc. E., vol. 10, p. 615. 23½ pages. I.

The South Fork Dam. P. E. Soc. W. Pa., vol. 5, p. 89. 20 pages.

Underground Dams

A Mine Dam. By Wm. Kelley. T. A. I. M. E., vol. 27, p. 400.

Mine Dams. By J. McNaughton. E. & M. J., vol. 69, p. 532. 1¾ columns.

A Masonry Dam in a Mine. By W. Kelley. E. & M. J., vol. 64, p. 761. 1 column. I.

Water Dams in Shafts. Coll. Engr. & Met. Miner, vol. 15, p. 43, 3 columns, I.; and p. 66, 3 columns.

Wooden and Masonry Dams in Mines. By A. Hübner. T. I. M. E., vol. 23, p. 741. 1 page.

On an Instance of Stopping Back Water by Brick Dams. By J. Nevin. T. F. I. M. E., vol. 3, p. 132. 6 pages. I.

Mine Dams: Methods of Construction. T. F. I. M. E., vol. 6, Plate I, also Plate II.

Mine Dams. By J. McNaughton. T. L. S. M. I., vol. 6, p. 37. 8 pages. I.

Mine Dam at Hermann Shaft, Saxony. Coll. Engr., vol. 14, p. 172. ½ column. I.

Water-Tight Doors (Dams) for the Deep Alluvial Mines of Victoria. E. & M. J., vol. 78, p. 549. I.

Construction of Mine Dams. By A. Faulds. E. & M. J., vol. 77, p. 965. 3 columns. I.

Brick Dams in Pennsylvania Collieries. Second Geol. Survey Pa. AC., p. 420. I.

Damming Back or Checking the Flow of Water in Fissures Cutting Tunnels and Shafts. E. & M. J., vol. 42, p. 133. Note.

The Conemaugh Dam. E. & M. J., vol. 47, p. 517. 1½ columns.

Mine Dams: England. E. & M. J., vol. 24, p. 150. ½ column.

Brick Work Under Pressure: Mine Dams, etc. Min. & Sci. Press, vol. 44, p. 386. ⅔ column.

Damming Back Water in Mines. Min. & Sci. Press, vol. 61, pp. 119, I.; 126.

Dam in Tunnel, Enterprise Colliery. Rept. Inspr. Mines, Pa., 1873, p. 122. I.

Dam in Richardson Tunnel. Rept. Inspr. Mines, Pa., 1881, p. 14. I.

Brick Dam in Kehley's Run Colliery. Rept. Inspr. Mines, Pa., 1881, p. 74.

Underground Water Dams for the Confinement of Water at High Pressure. By W. Y. Craig. T. N. S. I. M. & M. E., vol. 4, p. 169, 11 pages, I.; and vol. 5, p. 71, 6 pages.

On Underground Water Dams. By Geo. Hunter. T. N. S. I. M. & M. E., vol. 5, p. 139. 4 pages. I.

Dam at the Republic Mine, Michigan. T. L. S. M. I., vol. 11, pp. 183, 184, Fig. 3. ½ page.

Wooden Dams in Coal Mines. By R. Lee. E. & M. J., vol. 83, p. 385. 1 column. I.

Mine Dams. By A. Faulds. T. I. M. E., vol. 26, p. 134. 5 pages. I.

Mine Dams. P. C. M., vol. 4, p. 249. 3½ pages. I.

Cast-Iron Dam to Resist an Outburst of Water. By I. Hodges. T. I. M. E., vol. 32, p. 76.. 13½ pages. I.

Concrete Dams and Stoppings. M. & M., vol. 21, p. 254. 1 column. I.

A Mine Dam to Recover Flooded Workings. By J. H. Haertter. E. & M. J., vol. 84, p. 312. 1Q columns. I.

Air-Tight Dam for Underground Mine Fires. By M. Delafosse. E. & M. J., vol. 83, p. 432. 1½ columns. I.

Cofferdams, Caissons, etc.

Description of Cofferdam Used at Davis Island Dam. By W. Martin. P. E. Soc. W. Pa., vol. 1, p. 275. 6 pages.

Construction of Cofferdams. By T. P. Roberts. P. E. Soc. W. Pa., vol. 21, p. 305. 15 pages.

A Slag Dam. By W. J. Fleck. E. & M. J., vol. 80, p. 60. ⅔ column. I.

Calking a Cofferdam. Eng.-Cont., vol. 27, p. 24. ½ column.

Stopping Leaks in a Cofferdam. Eng.-Cont., vol. 27, p. 71. ⅓ column.

Cofferdams and Floating Caissons. E. & M. J., vol. 50, p. 77, 2½ columns, I.; and p. 99, 3½ columns.

MINING DISTRICTS

Miscellaneous Districts

The Gold Mines of Philip of Macedonia. By J. E. Spurr. E. & M. J., vol. 73, p. 272. 3⅞ columns. I.

Poplar Creek and Other Camps of the Lardeau District. By R. W. Brock. J. C. M. I., vol. 7, p. 87. 27½ pages. I.

Gold Mining in Uruguay. E. & M. J., vol. 73, p. 631. ½ column.

Gold Mining in South America. By J. H. Curle. E. & M. J., vol. 80, p. 577. 2⅔ columns.

The Gold Mines of Costa Rica. By M. F. Reitz. E. & M. J., vol. 74, p. 210. 11 columns. I.

Notes on the Gold of the Roodepoort District. By G. Andreoli. P. C. M. & M. Soc. S. A., vol. 5, p. 73. 4 pages.

Ancient and Modern Supplies of Gold and Silver. E. & M. J., vol. 63, p. 164. ⅔ column.

Gold Mining in the Khanate of Bokhara. By D. Ruffmann. E. & M. J., vol. 61, p. 612. 1 column.

Gold Placer Mining in Surinam. E. & M. J., vol. 54, p. 196. ½ column.

The Precious Metals of the Land of Midian. Min. & Sci. Press, vol. 35, p. 150. ½ column.

Foreign Copper Mines. By W. H. Weed. Min. Mag., vol. 12, p. 5. 26 columns. I.

The Lost Packer Copper-Gold Lode. By E. P. Jennings. J. C. M. I., vol. 9, p. 54. 4 pages. I.

A Review of the Ste. Genevieve Copper Deposit. By Frank Nicholson. T. A. I. M. E., vol. 10, p. 444.

Notes on the Berehaven Copper Mines. By G. H. Blenkinsop. T. I. M. & M., vol. 12, p. 213. 10 pages.

Occurrence of Iron Ores and Iron Manufacture in the Weald. By C. E. Hawkins. T. F. I. M. E., vol. 13, p. 605. 4 pages.

Iron Ore in the Duddon Estuary. By L. E. Shaw. Engineering, London, vol. 76, pp. 324, 345, 365. 4 columns. I.

The Iron-Bearing Rocks of the Nastapokan Islands. By G. R. Micke. J. C. M. I., vol. 5, p. 256. 2 pages. I.

The Belvoir Iron-Ore: The Occurrence. By R. F. Percy. T. I. M. E., vol. 22, p. 30. 4 pages. I.

Iron and Steel and Allied Industries in all Countries. In Sixteenth Ann. Rept. U. S. Geol. Survey, pt. 3, pp. 219–250. 1894.

Iron Resources of the World. By R. Anspach. E. & M. J., vol. 80, p. 638. 6⅓ columns.

Iron Deposits of Torbrook. By R. G. E. Leckie. J. M. Soc. N. S., vol. 1, pt. 3, p. 53. 6 pages.

Tin Deposits of Northern Nigeria, Transvaal, Swazieland, Congo Free State, Japan, Greenland, Finland, China, Korea and Siberia. Tin Deposits of the World, p. 139. 10 pages. I.

Description of Tin Deposits. Tin Deposits of the World, p. 7. 11 pages. I.

Bibliography of the Tin Industry. Tin Deposits of the World, p. 233. 4 pages.

Tin Supplies. E. & M. J., vol. 72, p. 817. 2 columns.

Tin Mining in Banca. Min. & Sci. Press, vol. 25, p. 177. 1 column.

The Coal Trade and Lignite Deposits of Northern South America. By F. C. Nicholas. E. & M. J., vol. 66, p. 217. 2 columns. I.

Bankhead Coal Mines. By C. M. Henretta. J. C. M. I , vol. 8, p. 215. 4 pages. I.

THE NORTON COALS IN THE BIG SANDY BASIN. By H. W. Althouse. E. & M. J., vol. 77, p. 235. 4 columns. I.

THE COALFIELDS OF THE FARÖE ISLANDS. By G. A. Greener. T. I. M. E., vol. 27, p. 331. 15 pages. I.

THE SOUTH LESMAHAGON COAL-FIELD. By J. M. Cairncross. T. I. M. E., vol. 21, p. 234. 16 pages. I.

THE SALT INDUSTRY OF CARRICKFERGUS. By A. Miscampbell. T. F. I. M. E., vol. 7, p. 546. 6 pages.

THE GYPSUM OF THE EDEN VALLEY. By D. Burns. T. I. M. E., vol. 25, p. 410. 24 pages. I.

GYPSUM AND ITS OCCURRENCE IN THE DOVE VALLEY. By T. T. Wynne. T. I. M. E., vol. 32, p. 171. 22 pages. I.

THE MINERAL SEAMS OF NEW MONKLAND. By J. Prentice. T. F. I. M. E., vol. 12, p. 435. 16 pages. I.

THE PHOSPHATE BEDS OF THE MALTESE ISLANDS. By J. H. Cooke. E. & M. J., vol. 54, p. 200. 4 columns. I.

THE SULPHUR MINES OF THE CAUCASUS. E. & M. J., vol. 45, p. 435. 1 column.

AMBER MINING IN SAMLAND. By Hr. Menzel. E. & M. J., vol. 30, p. 237. ¾ column.

CRYOLITE MINING IN GREENLAND. By J. R. Spears. Coll. Engr. & Met. Miner, vol. 14, p. 30. 2 columns.

GEOLOGICAL RELATIONS AND DISTRIBUTION OF PLATINUM AND ASSOCIATED METALS. By J. F. Kemp. U. S. G. S. Bulletin No. 193. 95 pages. 1902.

THE BURRO MOUNTAIN TURQUOISE DISTRICT. By G. D. Reid. E. & M. J., vol. 75, p. 786. 2 columns.

DEPOSITS OF HYDROBORATE OF LIME: Its Exploitation and Refination. By C. A. Lynes Haskold. T. I. M. E., vol. 23, p. 456. 15 pages.

THE COOADONGA MANGANESE DISTRICT AND ITS MINES. By J. A. Jones. T. I. M. & M., vol. 3, p. 263.

THE MANGANESE DEPOSITS OF HUELVA. By F. Johnson. T. I. M. & M., vol. 3, p. 275.

THE ATIK-OKAN NICKELIFEROUS PYRRHOTITE DEPOSITS AND THEIR ORIGIN. By F. Hille. J. C. M. I., vol. 9, p. 285. 17½ pages. I.

TIN MINING AND MILLING IN TRINGGONU. By C. G. Warnford Lock. Min. Mag., vol. 13, p. 290. 10 columns. I.

MINING IN TONQUIN AND ANNAM. E. & M. J., vol. 81, p. 362. 1½ columns.

THE LATE OPERATIONS ON THE MARIPOSA ESTATE. By C. M. Rolker. T. A. I. M. E., vol. 6, p. 145.

THE MINERAL DISTRICT OF SAN SALVADOR. Min. & Sci. Press, vol. 39, p. 57. 2 columns. Map.

TIN MINING IN SIAM. By K. Van Dort. E. & M. J., vol. 84, p. 723. 9¼ columns. I.

Africa

LIST OF LITERATURE ON AFRICAN GEOLOGY AND ORE-DEPOSITS. T. F. I. M. E., vol. 12, pp. 320, 321, 322.

A FEW REMARKS ON BANKET FORMATION. By A. W. Sawyer. J. C. & M. Soc. S. A., vol. 3, p. 369. 4½ pages.

ORE DEPOSITS AND MINERALIZATION IN THE RAND MINES. Gold Mines of the Rand, p. 67. 20 pages.

THE WITWATERSRAND GOLD DEPOSITS AND THEIR ASSOCIATED ROCKS. By F. H. Hatch. E. & M. J., vol. 76, p. 701. 3⅓ columns.

REMARKS ON THE RAND CONGLOMERATE. E. & M. J., vol. 76, p. 575. 4⅓ columns.

THE INVESTIGATION OF OLD MINE WORKINGS ON THE WITWATERSRAND. By T. L. Carter. E. & M. J., vol. 76, p. 929. 2⅔ columns. I.

BANKET BEDS AND BANKET. The Witwatersrand Gold-Fields, p. 41. 31 pages. I.

The Genesis of the Witwatersrand Banket. The Witwatersrand Gold-Fields, p. 123. 6 pages.

The Witwatersrand Gold Deposits. E. & M. J., vol. 76, p. 728. 1⅔ columns.

The Main Reef Series. Witwatersrand Gold-Fields, p. 68. 25 pages. I.

Some Banket Deposits of the Gold Coast, West Africa. By E. Halse. T. F. I. M. E., vol. 2, p. 69. 16 pages.

List of Papers and Works of Reference on the Witwatersrand Gold Fields. T. I. M. & M., vol. 12, p. 281.

The Origin of the Witwatersrand Gold. By F. H. Hatch and G. S. Corstorphine. E. & M. J., Jan. 12, 1905, p. 80. 5 columns.

Gold Mining in Rhodesia. By F. C. Roberts. Min. & Sci. Press, Feb. 11, 1905, p. 91.

Gold Mining in the Transvaal, South Africa. By J. H. Hammond. M. & M., Aug., 1902, p. 30. 8½ columns. I.

The Witwatersrand Gold-Field and Its Working. By W. Y. Campbell. E. & M. J., vol. 64, p. 36, 3 columns; p. 67, 1⅓ columns; p. 96, 1¼ columns; p. 130, 2½ columns; p. 160, 1½ columns; p. 190, ⅞ column; p. 219, 1 column; and p. 310, 1 column.

Gold-Mining in the Transvaal, South Africa. By John Hays Hammond. T. A. I. M. E., vol. 31, pp. 817, and 1032. 1901.

Mining Conditions in South Africa. By F. J. Frank. M. & M., Apr., 1903, p. 409. 1 column.

The Ancient Gold Fields of South Africa. E. & M. J., vol. 56, p. 102. 4 columns. I.

The Witwatersrand Gold-Field and Its Working. By L. De Launay. E. & M. J., vol. 63, pp. 631 and 659.

The Gold-Fields of Matabeleland. By F. G. Shaw. T. F. I. M. E., vol. 11, p. 29. 11 pages. I.

Remarks on the Banket Formation at Johannesburg, Transvaal. By A. R. Sawyer. T. F. I. M. E., vol. 9, p. 360. 12 pages. I.

The Mineral Resources of the Colony of Queensland. By W. Fryar. T. F. I. M. E., vol. 13, p. 356. 15 pages.

Notes on the Ventuskroom Gold-Fields, South African Republic. By H. B. Bunkell. T. F. I. M. E., vol. 12, p. 186. 4 pages. I.

The Mineral Wealth of Zoutpamsberg: The Murchison Range Gold-Belt, Transvaal. By D. S. S. Steuart. T. I. M. E., vol. 17, p. 388. 38 pages. I.

Mining in Rhodesia. By A. H. Halder. T. F. I. M. E., vol. 13, p. 609. 4 pages.

Pilgrim's Rest: A Rich South African Gold Field. By M. Fergusson. M. & M., vol. 19, p. 484, 3½ columns, I.; and p. 564, 5 columns. I.

The Witwatersrand Gold Fields: Presidential Address. By H. Jennings. T. I. M. & M., vol. 12, p. 257. 24 pages.

Historical Facts of Some Importance in Connection with Gold in South Africa. T. I. M. & M., vol. 12, p. 259.

An Estimate of the Gold Production and Life of the Main Reef Series, Witwatersrand, Down to 6000 Feet. By T. H. Leggett. T. I. M. & M., vol. 12, p. 36. 20 pages. I.

Ore-Deposits of Matabeleland. T. I. M. & M., vol. 10, p. 344. I.

Mining on the Black Reef, Witwatersrand Gold-Fields, South Africa. By W. F. Wilkinson. T. I. M. & M., vol. 6, p. 94.

The Witwatersrand Gold-Field. By J. M. Liddell. T. F. I. M. E., vol. 3, p. 447, 5 pages; and p. 857, 17 pages.

Auriferous Conglomerates of the Witwatersrand. By F. G. Shaw. T. F. I. M. E., vol. 5, p. 169. 19 pages.

The Gold-Fields of South Africa. E. & M. J., vol. 44, p. 276, 1⅔ columns; and p. 295, 1 column.

Mining in the Southern Klerksdorp Gold-Fields, Western Transvaal. By J. Hassall. T. I. M. E., vol. 19, p. 377. 22 pages. I.

The Buffelsdoorn and Adjacent Districts of the Northern Klerksdorp Gold-Fields, Transvaal. By W. Smith. T. I. M. E., vol. 22, p. 444. 4 pages. I.

The Rand Conglomerates, Transvaal. By H. Pearson. T. I. M. E., vol. 22, p. 209. 6 pages.

The Witwatersrand Gold-Fields. By F. Olds. T. I. M. E., vol. 18, p. 89. 22 pages.

Witwatersrand Banket, with Notes on other Gold-Bearing Pudding Stones. U. S. G. S., Eighteenth Ann. Rept., pt. 5, pp. 153–184. 1897.

The New Deep-Level Mines in the Transvaal. E. & M. J., vol. 74, p. 377. 1½ columns.

Mining in Rhodesia. By C. E. Parsons. E. & M. J., vol. 72, p. 266. 1 column.

Deep Level Mines on the Witwatersrand. E. & M. J., vol. 74, p. 546. 1 column.

The Klerksdorp District, South Africa. By T. L. Carter. E. & M. J., vol. 78, p. 467. 3 columns. I.

Mining Conditions in the Transvaal. E. & M. J., vol. 72, p. 429, 1¾ columns; p. 816, 3½ columns; and vol. 73, p. 210, 4½ columns.

Peace in South Africa. E. & M. J., vol. 73, p. 787, 2 columns; vol. 74, p. 79, 2½ columns; vol. 75, p. 289, 1 column; p. 434, ⅔ column; and p. 698, 1 column.

Observations on the Rand Conglomerate. By L. De Launay. E. & M. J., vol. 75, p. 519. 7¾ columns. I.

The Future of the Rand. By J. H. Curle. E. & M. J., vol. 78, p. 903. 1⅔ columns.

The Mines of Rhodesia. By J. H. Curle. E. & M. J., vol. 80, p. 817. 3 columns.

Developments of the Heidelberg District, Transvaal. By T. L. Carter. E. & M. J., vol. 76, p. 587. 3 columns. I.

Gold Mining in the Transvaal. Min. Mag., vol. 11, p. 450. 4 columns.

Gold Mining in Rhodesia. By F. C. Roberts. E. & M. J., vol. 76, p. 885. 8½ columns. I.

The Alberta Silver Mine, South Africa. E. & M. J., vol. 55, p. 221. 1⅓ columns.

The Transvaal Silver Mines. E. & M. J., vol. 54, p. 370. 1 column.

Mining in Rhodesia. E. & M. J., vol. 77, p. 471. 2 columns.

The Mining Industry in the Transvaal. By C. H. Gibson. E. & M. J., vol. 49, p. 585. 1½ columns.

The Transvaal Mines. By. J. H. Curle. E. & M. J., vol. 78, p. 707. 2 columns.

South African Gold Fields. E. & M. J., vol. 47, p. 12, 2 columns; and p. 409, 2 columns.

The Transvaal, South Africa: General Information Regarding Output, Costs, Labor, etc. E. & M. J., vol. 81, p. 80. 10 columns.

Mining and the Mineral Industry in Rhodesia. By E. H. Garthwaite. Min. Mag., vol. 13, p. 1. 20 columns.

Gold Mining in Rhodesia. Min. & Sci. Press, vol. 72, p. 244. 2⅞ columns.

Gold Mining in Rhodesia. By F. C. Roberts. Min. & Sci. Press, vol. 90, p. 72, 4½ columns, I.; p. 91, 1 column; p. 105, 3 columns; p. 119, 1½ columns; p. 138, 3 columns, I.; and p. 155, 1½ columns, I.

The Rand Deep-Levels. Min. & Sci. Press, vol. 79, p. 314, 1¾ columns; and p. 344, 3 columns.

The Transvaal Gold Mines. By T. F. Van Wogenen. Min. & Sci. Press, vol. 91, p. 121, 2 columns; p. 143, 2 columns, I.; p. 159, 1½ columns, I.

Four Typical Rhodesian Gold Mines. By T. F. Wogenen. Min. & Sci. Press, vol. 91, p. 313. 3 columns. I.

South African Methods. By T. H. Leggett. Min. & Sci. Press, vol. 90, p. 234, 2½ columns; and p. 250, 2½ columns.

The North Extension of the Witwatersrand Gold-Field. By A. R. Sawyer. T. N. S. I. M. & M. E., vol. 10, p. 124. 28 pages. I.

Notes on the Payable Conglomerate Beds of the Witwatersrand, and the Methods Adopted for Their Extraction. By A. F. Crosse. T. I. M. & M., vol. 7, p. 2. 10 pages.

South African Gold Mines. Min. & Sci. Press, vol. 28, p. 58. 1 column.

South African and American Gold Mines. By W. Weston. E. & M. J., vol. 60, p. 171. ⅞ column.

Mining in South Africa. By J. B. Pitchford. Min. & Sci. Press, vol. 94, p. 311, 4 columns; and p. 337, 8 columns, I.

The South Rand Goldfield, Transvaal. By A. R. Sawyer. T. I. M. E., vol. 27, p. 546. 10 pages. I.

Conditions Met in South African Mining. By J. H. Pitchford. E. & M. J., vol. 83, p. 467. 12½ columns.

The Transvaal Kromdraai Conglomerates. By A. R. Sawyer. T. I. M. E., vol. 27, p. 457. 6 pages. I.

Gold Mining in Southern Rhodesia. By T. Worth. T. I. M. E., vol. 29, p. 75. 14½ pages.

The Gold-Fields of Rhodesia. T. I. M. E., vol. 31, p. 52. 49 pages. I.

The Mining Fields of Southern Rhodesia in 1905. By J. W. Gregory. T. I. M. E., vol. 31, p. 46. 57 pages. I.

New Rand Gold-Field, Orange River Colony. By A. R. Sawyer. T. I. M. E., vol. 33, p. 530. 4½ pages.

The Economic Value of the Main Reef, Witwatersrand. By W. F. Wilkinson. J. C. & M. Soc. S. A., vol. 2, p. 143. 9 pages.

The Ancient Auriferous Conglomerates of Southern Rhodesia. By J. W. Gregory. T. I. M. & M., vol. 15, p. 563. 25 pages. I.

Mining Conditions in South Africa. By J. B. Pickford. M. & M., vol. 28, p. 49. 12 columns. I.

The Banket of the Tarkwa Gold-Field, West Africa. Witwatersrand Gold-Fields, p. 487. 22 pages. I.

Gold Mining in West Africa. By W. F. Wilkinson. E. & M. J., vol. 83, p. 182. 4 columns.

The Tarkwa Gold-Field, Gold Coast, West Africa. By A. R. Sawyer. T. I. M. E., vol. 22, p. 402. 16 pages. I.

Notes on the Ivory Coast of West Africa. By S. J. Truscott. T. I. M. & M., vol. 12, p. 161. 14 pages. I.

The Gold-Fields of the West Coast of Africa. E. & M. J., vol. 71, p. 623. 1⅚ columns.

The Gold Mines of the Gold Coast, Africa. Financial News, Supp., July 10, 1899; and E. & M. J., vol. 68, p. 158. 1½ columns.

Notes on the Gold Coast of West Africa. By L. P. Bowler. T. I. M. E., vol. 24, p. 413. 4 pages.

The Tarkwa Gold-Field, West Africa. By A. R. Rawyer. T. I. M. E., vol. 23, p. 527. 5 pages. I.

Occurrence of Gold in West Africa Ivory Coast. T. I. M. & M., vol. 12, p. 163.

The Gold Coast, West Africa. E. & M. J., vol. 72, p. 67. 1½ columns.

The Gold Coast, West Africa. E. & M. J., vol. 73, p. 139. 1¼ columns.

Diamond Mining in South Africa. By Wm. Taylor. M. & M., vol. 28, p. 267. 4 columns. I.

Diamond Bearing Deposits. Diamond Mines of South Africa, pp. 479–510.

The Phenomena of the Diamondiferous Deposits in South Africa. By E. F. Heneage. T. I. M. & M., vol. 12, p. 115. 24 pages.

Occurrence of Diamonds in South Africa, with the Method of Their Extraction as Adopted at the De Beers Diamond Mines. By. L. J. Abrahams. J. C. M. I., vol. 5, p. 62. 13 pages.

Kimberley Notes. By T. L. Carter. E. & M. J., vol. 76, p. 236. 6½ columns. I.

De Beers Consolidated Diamond Mines, South Africa. E. & M. J., vol. 50, p. 574. 1½ columns.

The Diamond Mines of South Africa. By G. F. Williams. T. A. I. M. E., vol. 15, p. 392.

The Premier Diamond Mine. By T. L. Carter. E. & M. J., vol. 78, p. 307. 5 columns. I.

The Diamond Districts of the Vaal River. By T. L. Carter. E. & M. J., vol. 76, p. 354. 4 columns.

Kimberley Notes. By T. L. Carter. E. & M. J., Jan. 19, 1905, p. 128. 5¾ columns. I.

Remarks on the Occurrence of South Africa Diamonds. By R. W. Raymond. T. A. I. M. E., vol. 2, p. 143.

The New African Diamond Mine. By G. A. Troge. E. & M. J., vol. 78, p. 132. 1¾ columns.

Diamond Mining (in South Africa). Min. & Sci. Press, vol. 59, p. 279, 4 columns, I.; and p. 287, 1 column, I.

Diamond Mining: South Africa. Min. & Sci. Press, vol. 53, p. 166. 2¾ columns.

Diamondiferous Deposit of Kimberley. T. N. S. I. M. & M. E., vol. 10, p. 78. 5 pages.

Mining at Kimberley. By A. R. Sawyer. T. N. S. I. M. & M. E., vol. 10, p. 74. 42 pages. I.

Diamond Mines in South Africa: Production. Min. & Sci. Press, vol. 93, p. 664. 3 columns.

Diamonds in Rhodesia, South Africa. T. I. M. E., vol. 31, p. 87. 1 page +

A Visit to the De Beers Consolidated Diamond Mines. By E. P. Rathbone. T. I. M. & M., vol. 16, p. 200. 3½ pages.

The Diamond Placers of the Vaal River, South Africa. By F. E. Coe. T. I. M. & M., vol. 13, p. 518. 14 pages. I.

Coal Supply of the Rand. Coll. Guard., Sept. 9, 1904. 1 column.

South African Coal Fields. M. & M., May, 1904, p. 504. ½ column.

Coal Mining in the Transvaal, South Africa. E. & M. J., vol. 59, p. 461. 1 column.

The Transvaal Coal-Fields. By R. Gascoyne. T. F. I. M. E., vol. 13, p. 414. 16 pages.

Notes on Coal in the Transvaal. By J. J. Whitehead. T. I. M. E., vol. 28, p. 380. 14 pages.

The Coalfields of Cape Colony. By A. Russell. T. I. M. E., vol. 29, p. 228. 30 pages. I.

Notes on the Coal-Seams of the Transvaal, and Description of a Modern Pit-Head Plant. By W. T. Hallimond. T. F. I. M. E., vol. 13, p. 372. 8 pages. I.

Transvaal Coal-Field. By W. Peile. T. I. M. E., vol. 16, p. 20. 10 pages. I.

The South Rand Coal-Field, and Its Connection with the Witwatersrandt Blanket Formation. By A. R. Sawyer. T. F. I. M. E., vol. 14, p. 312. 16 pages. I.

South African Coal. Engineering, London, vol. 72, p. 621, 1½ columns; vol. 66, p. 493, 2 columns; and vol. 63, p. 465, 2 columns.

The Geology and Coal-Deposits of Natal. By R. A. S. Redmayne. T. F. I. M. E., vol. 4, p. 553. 36 pages.

Notes on the Natal Coal-Fields. By J. P. Hamilton. T. F. I. M. E., vol. 3, p. 874. 16 pages.

The Coal-Fields of Natal. By W. T. Heslop. T. I. M. E., vol. 18, p. 410. 20 pages.

The South African Coal-Field. By A. R. Sawyer. T. N. S. I. M. & M. E., vol. 10, p. 16, 40 pages. I.; and p. 217, 18 pages.

Copper Deposits in Southwest Africa. By J. Kuntz. Min. Mag., Jan., 1905, p. 92. 2 columns.

Copper Ore Deposits in German South-West Africa. By F. W. Voit. T. I. M. E., vol. 29, p. 712. 2 pages.

A Copper Mine in Central Africa. E. & M. J., vol. 75, p. 858. 1½ columns.

Notes on the Namaqualand Copper District. By J. A. Chalmers. T. I. M. & M., vol. 8, p. 395.

The Copper Deposits of Cape Colony, South Africa. By W. H. Weed. E. & M. J., Feb. 9, 1905, p. 272. 4¼ columns. I.

Some Copper Deposits in Rhodesia. By C. Brackenbury. T. I. M. & M., vol. 15, p. 683. 12 pages.

Notes on an Iron Property near Tunis. By A. J. MacInerny. T. I. M. & M., vol. 12, p. 224. 3 pages.

Mining in Tunis. E. & M. J., vol. 81, p. 847. 1 column.

The Phosphates of Algeria and Tunis. By B. M. Davidson. E. & M. J., vol. 52, p. 614. ½ column.

Algerian Phosphate Deposits. E. & M. J., vol. 58, p. 418. ⅔ column.

Phosphate Rock in Algeria. E. & M. J., vol. 82, p. 918. ¾ column.

Mining Possibilities of the Zambesi Valley. By T. F. Van Wogenen. Min. & Sci. Press, vol. 89, p. 85. 6½ columns.

The Mines of Ethiopia. E. & M. J., vol. 66, p. 250. ⅓ column.

Alabama

Some Auriferous Quartz Bodies in Alabama. By W. M. Brewer. E. & M. J., vol. 64, p. 458. 1⅔ columns.

Spring Gap Red Ore Mines, Alabama. E. & M. J., Jan. 9, 1897, p. 44. Map. I.

The Turkey Heaven Gold District, Alabama. By W. M. Brewer. E. & M. J., vol. 56, p. 79. 1 column. I.

Some Alabama Gold Mining Districts. By W. M. Brewer. E. & M. J., vol. 55, p. 486. 1¾ columns.

Notes on the Alabama Gold Belt. E. & M. J., vol. 51, p. 57. 1 column.

The Gold Regions of Alabama. By W. B. Phillips. T. F. I. M. E., vol. 14, p. 93. 6 pages.

Further Notes on the Alabama and Georgia Gold-Fields. By W. M. Brewer. T. A. I. M. E., vol. 26, p. 464.

The Origin of Clinton Red Fossil-Ore in Lookout Mountain, Alabama. By W. M. Bowron. T. A. I. M. E., vol. 36, p. 587. 18 pages. I.

The Iron Ore Mines of the Sloss Iron and Steel Company, Alabama. E. & M. J., vol. 54, p. 318. 2 columns. I.

The Brown Ore Deposit of Baker Hill, Alabama. By W. M. Brewer. E. & M. J., vol. 55, p. 77. 2 columns. I.

The Iron Ores of Alabama in Their Geological Relations. By E. A. Smith. U. S. G. S., Mineral Resources U. S. for 1882, pp. 149–161. 1883.

Iron Mining in the Birmingham District, Alabama. By W. R. Crane. E. & M. J., Feb. 9, 1905, p. 274. 12 columns. I.

Methods of Prospecting, Mining, etc., Soft Iron Ores in Alabama. By W. R. Crane. M. & M., Apr., 1905, p. 417. 7½ columns. I.

Southern Iron Mining: A Description of the Iron Ore Mines of Alabama and Georgia. By W. M. Brewer. M. & M., vol. 18, p. 97. 6¾ columns. I.

Origin of Clinton Red Fossil-Ore in Lookout Mountain, Alabama. By W. M. Bowron. T. A. I. M. E., vol. 36, p. 587. 18 pages. I.

The Brown Ore Deposits near Leeds, Alabama. By W. B. Phillips. E. & M. J., vol. 65, p. 489. 3 columns. I.

The Iron-Ores and Coals of Alabama, Georgia, and Tennessee. By J. B. Porter. T. A. I. M. E., vol. 15, p. 170.

The Clinton or Red Ores of Northern Alabama. U. S. G. S., Bulletin No. 285, pp. 172–179. 1906.

The Iron Ores of the Brookwood District, Alabama. By E. F. Burchard. U. S. G. S., Bull. No. 260, pp. 321–334. 1905.

The Clinton or Red Ores of the Birmingham District. U. S. G. S., Bull. No. 315, pp. 130–151. 1907.

The Brown Ores of the Russellville District, Alabama. U. S. G. S., Bull. No. 315, pp. 152–160. 1907.

Note on the Iron-Ores, Fuels and Improved Blast-Furnace Practice of the Birmingham District, Alabama. By A. F. Brainerd. T. A. I. M. E., vol. 17, p. 151.

The Limonites of Alabama Geologically Considered. By H. McCalley. E. & M. J., vol. 62, p. 583. 2½ columns.

Methods of Mining, Hauling and Screening at the Mines of the Aldrich Mining Company, at Brilliant, Ala. By T. H. Aldrich, Jr. T. A. I. M. E., vol. 37, p. 486. 19½ pages. I.

The Mines of the Mary Lee Coal Company, Alabama. By R. Mauchline. E. & M. J., vol. 54, p. 537. 2 columns.

The Warhoop Bauxite Bank, Alabama. By W. M. Brewer. E. & M. J., vol. 55, p. 461. 1¼ columns. I.

The Belle Ellen Coal Mine, Alabama. By W. M. Given. E. & M. J., vol. 72, p. 105. 2 columns.

The Warrior Coal Basin of Alabama: Its Location, Geological Peculiarities, the Thickness of the Coal Seams, and Facilities for Transportation. By H. McCalley. M. & M., vol. 21, p. 268. 2½ columns.

The Alabama Coalfield. Engineering, London, vol. 69, p. 137. 3½ columns.

Slope No. 6: Pratt City, Ala. By Neill Hutchings. M. & M., vol. 20, p. 251. 2 columns. I.

Alabama Coal and Iron. By R. P. Rothwell. T. A. I. M. E., vol. 2, p. 144.

Alabama Coal Mining: Some General Features of the Developments in the Pratt Seam in the Birmingham District, Alabama. By Neill Hutchings. M. & M., Jan., 1902, p. 254. 3¾ columns.

Flat Top Mine: A Typical Coal Mine in the Birmingham, Alabama, District. By S. H. Lea. M. & M., Mar., 1905, p. 394. 5½ columns. I.

The Pratt Mines of the Tennessee Coal, Iron and Railroad Company, Alabama. By E. Ramsay. T. A. I. M. E., vol. 19, p. 296.

Coal and Iron in Alabama. By T. S. Hunt. T. A. I. M. E., vol. 11, p. 236.

The Pratt Coal Mines in Alabama. By W. R. Crane. E. & M. J., Jan. 26, 1905, p. 177. 9½ columns. I.

The Alabama Coal Fields: Their Location and Characteristics. By H. McCalley. M. & M., May, 1901, p. 446. 6½ columns.

Coal Measures of Blount Mountain, Alabama. By A. M. Gibson. E. & M. J., vol. 57, p. 489. ½ column.

The Coosa Coal Field in Alabama. By W. M. Brewer. E. & M. J., vol. 56, p. 7. 2 columns. I.

Sand-Lime Brickmaking near Birmingham, Alabama. By C. Butts. U. S. G. S., Bull. No. 315, pp. 256–258. 1907.

The Phosphates and Marls of Alabama. By E. A. Smith. T. A. I. M. E., vol. 25, p. 811.

Phosphates of Alabama. By W. C. Stubbs. U. S. G. S., Mineral Resources for 1883–84, pp. 794–803. 1885.

Alabama Bauxite. By H. McCalley. E. & M. J., vol. 54, p. 584. 1¼ columns. I.

Bauxite in Rome Quadrangle, Georgia-Alabama. Geologic Atlas U. S., folio No. 78, U. S. Geol. Survey, 1902, p. 6.

Metal Mining in Alabama. By W. M. Brewer. E. & M. J., vol. 63, p. 256. 1 column.

The Mineral Resources of Alabama. By E. A. Smith and Henry McCalley. Geol. Survey of Ala., 1904; and Min. Mag., Oct.-Nov., 1904, p. 323. 2 columns.

Mineral Resources of the Southern R. R. from Atlanta to Birmingham. By W. M. Brewer. E. & M. J., vol. 60, p. 610. 2 columns.

Murphee's Valley and Its Minerals. By W. B. Phillips. E. & M. J., vol. 56, p. 448. 1¾ columns. I.

Clays of the Birmingham District, Alabama. By C. Butts. U. S. G. S., Bulletin No. 315, pp. 291–295. 1907.

The Fluxing Rocks of Alabama Geologically Considered. By H. McCalley. E. & M. J., vol. 63, p. 115. 3 columns. I.

Alaska

Vein Mining in Alaska. By C. W. Purington. Min. & Sci. Press, vol. 92, p. 310. 1¾ columns. I.

Possibilities of the Tundra. By Otto Halla. Min. & Sci. Press, vol. 92, p. 145. ¾ column.

Mining District, Alaska. The White Horse in Yukon Territory. M. & M., Aug., 1903, p. 28.

Gold Discoveries in Alaska. M. & M., July, 1903, p. 564.

Some Notes on the Nome Gold Region of Alaska. By F. C. Schrader and A. H. Brooks. T. A. I. M. E., vol. 30, p. 236.

Notes on Nome, and the Outlook for Vein Mining in that District. By F. Rickard. E. & M. J., vol. 71, p. 275. 2½ columns. I.

The Alaska-Treadwell Mine. U. S. G. S., 18th Ann. Rept., pt. 3, p. 64. 6 pages. I.

Ketchikan Mining District, Alaska. Min. & Sci. Press, vol. 83, p. 98, 7 columns. I.

Gold in Alaska. Min. & Sci. Press. vol. 27, p. 70. 1 column.

The Alsek Placer District, Yukon Territory. By W. M. Brewer. Min. & Sci. Press, vol. 87, p. 370. 3½ columns.

The Alaskan Gold Fields. By R. L. Dunn. Min. & Sci. Press, vol. 75, p. 121. 3⅔ columns.

The Alaska "Bubbles." E. & M. J., vol. 51, p. 227, ½ column; and p. 230, 1 column.

Alaska, the Greatest Gold District in America. E. & M. J., vol. 41, p. 230. 2 columns.

Reconnaissance of the Gold Fields of Southern Alaska, with some Notes on the General Geology. U. S. G. S., 18th Ann. Rept., pt. 3, pp. 1–86. Maps. 1897.

Placer Gold Mining in Alaska in 1902. U. S. G. S., Bulletin No. 213, pp. 41–48. 1903.

RECONNAISSANCE OF THE CAPE NOME AND ADJACENT GOLD FIELDS OF SEWARD PENINSULA, ALASKA, IN 1900. By A. H. Brooks, G. B. Richardson, and A. J. Collier. In Reconnaissances in the Cape Nome and Norton Bay Regions, Alaska, in 1900; a royal octavo pamphlet published in 1901 by order of Congress, pp. 1–84.

A RECONNAISSANCE OF THE NORTHWESTERN PORTION OF SEWARD PENINSULA, ALASKA. By A. J. Collier. Professional Paper No. 2. 68 pages. 1902.

THE GLENN CREEK GOLD MINING DISTRICT, ALASKA. By A. J. Collier. U. S. G. S., Bulletin No. 213, pp. 45–56. 1903.

GEOLOGY OF THE YUKON GOLD DISTRICT, ALASKA, WITH AN INTRODUCTORY CHAPTER ON THE HISTORY AND CONDITIONS OF THE DISTRICT TO 1887. By J. E. Spurr. In U. S. G. S., 18th Ann. Rept., pt. 3, pp. 89–392. Maps. 1898.

PRELIMINARY REPORT ON THE KETCHIKAN MINING DISTRICT, ALASKA. U. S. G. S., Professional Paper No. 1. 120 pages. 1902.

RECONNAISSANCE IN THE TANANA AND WHITE RIVER BASINS, ALASKA, IN 1898. By A. H. Brooks. U. S. G. S., 20th Ann. Rept., pt. 7, pp. 429–494. 1900.

RECONNAISSANCE OF THE CHITINA RIVER AND THE SKOLAI MOUNTAINS, ALASKA. By O. Rohn. In Twenty-first Ann. Rept. U. S. Geol. Survey, pt. 2, pp. 398–440. 1901.

RECONNAISSANCE OF A PART OF PRINCE WILLIAM SOUND AND THE COPPER RIVER DISTRICT, ALASKA, IN 1898. By F. C. Schrader. In Twentieth Ann. Rept. U. S. Geol. Survey, pt. 7, pp. 341–423. 1900.

THE GEOLOGY AND MINERAL RESOURCES OF A PORTION OF THE COPPER RIVER DISTRICT, ALASKA. By F. C. Schrader and A. C. Spencer. U. S. Geol. Survey. 1900.

RECONNAISSANCE FROM PYRAMID HARBOR TO EAGLE CITY, ALASKA. By A. H. Brooks. In Twenty-first Ann. Rept. U. S. Geol. Survey, pt. 2, pp. 331–391. 1902.

RECONNAISSANCE OF A PART OF THE KETCHIKAN MINING DISTRICT, ALASKA. By A. H. Brooks. Professional Paper U. S. Geol. Survey No. 1. 116 pages. 1902.

COPPER DEPOSITS OF THE MOUNT WRANGELL REGION, ALASKA. By W. C. Mendenhall and F. C. Schrader. In Bulletin U. S. Geol. Survey No. 213, pp. 141–148. 1903.

RECONNAISSANCE FROM RESURRECTION BAY TO THE TANANA RIVER, IN 1898. U. S. G. S., 20th Ann. Rept., pp. 264–340. 1900.

THE CHISTOCHINA GOLD FIELD, ALASKA. Bull. No. 213, U. S. Geol. Survey, 1903, pp. 71–75.

THE NOME DISTRICT, ALASKA. E. & M. J., vol. 69, p. 198. 1½ columns.

PRESENT CONDITION OF GOLD MINING IN ARCTIC AMERICA. By R. A. F. Penrose, Jr. E. & M. J., vol. 76, p. 807, 7 columns, I.; and p. 852, 4½ columns, I.

THE KETCHIKAN MINING DISTRICT, ALASKA. By W. T. Brewer. E. & M. J., vol. 72, p. 630. 5½ columns.

THE FAIRBANKS DISTRICT, ALASKA. By W. M. Brook. E. & M. J., vol. 78, p. 875. 2 columns.

SOME NOTES ON NOME, ALASKA. By P. F. Travers. E. & M. J., vol. 69, p. 105. 2½ columns.

THE TREADWELL GROUP OF MINES, DOUGLAS ISLAND, ALASKA. By R. A. Kinzie. M. & M., vol. 24, p. 251. I.

THE GOLOVIN BAY REGION OF NORTHWEST ALASKA. By J. D. Lowny. E. & M. J., vol. 71, p. 751. 2 columns.

THE CAPE NOME GOLD FIELD, ALASKA. By P. F. Travers. E. & M. J., vol. 68, p. 727. 1 column. I.

The Gold-Bearing Alluvial Deposits of the Klondike District. By J. B. Tyrrell. T. I. M. & M., vol. 8, p. 217.

The Katzebue Placers, Alaska. E. & M. J., vol. 78, p. 139. ⅞ column.

The Cape Nome District, Alaska. By H. Murray. E. & M. J., vol. 68, p. 641. 1½ columns.

The Fairbanks District, Alaska. E. & M. J., vol. 80, p. 1013. 1 column.

The Fairbanks Placer District, Alaska. E. & M. J., vol. 78, p. 216. ⅔ column.

Mining Along the Alaska Coast: Ketchikan, Alaska; the Atlin Country. By W. M. Brewer. E. & M. J., vol. 72, p. 229. 4½ columns. I.

Mineral Resources of Alaska. By I. Petroff. E. & M. J., vol. 51, p. 373. 2¼ columns.

White Horse Mining District, Yukon Territory. By W. M. Brewer. E. & M. J., vol. 73, p. 167. 6 columns.

M'Kee Creek, Atlin Mining Division, British Columbia. E. & M. J., vol. 73, p. 242. 1½ columns.

Gold Mining in the Nome District. By L. Garrison. E. & M. J., vol. 74, p. 447. 2 columns.

Gold Mining in Alaska: A Description of the Southeastern Part of the Country, Its Formations and Some of the Minerals. By H. Van F. Furman. M. & M., vol. 21, p. 433. 7¼ columns.

Placer Mining in Alaska. Min. & Sci. Press, vol. 69, p. 1. 7⅓ columns. I.

Notes on Nome. By A. L. Pearse. T. I. M. & M., vol. 9, p. 181. 12 pages.

Possibilities of Quartz Mining in Nome District, Alaska. By F. Lundstrom. Min. & Sci. Press, vol. 89, p. 22. 1 column.

Ketchikan, Alaska. By H. W. Turner. Min. & Sci. Press, vol. 93, p. 173. 4 columns. I.

Cape Nome Placers. By E. B. Wilson. E. & M. J., vol. 82, p. 680. 4 columns. I.

Mining in Ketchikan District, Alaska. By W. M. Brewer. E. & M. J., vol. 82, p. 444. 5 columns.

Mining Notes from the Yukon. E. & M. J., vol. 82, p. 267. 1¾ columns.

Gold in Kamchatka. M. & M., Jan., 1903, p. 270. ⅛ column.

The Year 1906 in the Klondike District. By J. P. Hutchins. E. & M. J., vol. 83, p. 520. 6 columns.

The Juneau Gold Belt, Alaska. By A. O. Spencer. U. S. Geol. Survey, Bull. 225; T. A. I. M. E., Oct., 1904; Min. Mag., Dec., 1904, p. 417. 2 columns.

The Geology of the Treadwell Ore-Deposits, Douglas Island, Alaska. By A. C. Spencer. T. A. I. M. E., vol. 35, p. 473. 38 pages. I.

A Tin Deposit near Spokane. By A. R. Whitman. Min. & Sci. Press, vol. 94, p. 697. 3 columns.

Tin in Alaska. By R. L. Beals. Min. & Sci. Press, vol. 89, p. 39. 2 columns.

An Occurrence of Stream Tin in the York Region, Alaska. By A. H. Brooks. U.S.G.S., Mineral Resources for 1900, pp. 267–271. 1901.

Stream Tin in Alaska. By A. H. Brooks. U.S.G.S., Bulletin No. 213, pp. 92–93. 1903.

Tin in the York Region, Alaska. By A. J. Collier. E. & M. J., vol. 76, p. 999. 4 columns. I.

Some Facts Regarding the Recent Discovery of Tin in Alaska. By W. M. Courtis. E. & M. J., vol. 75, p. 967. ½ column.

Tin in Alaska. By A. J. Collier. Min. Mag., Aug., 1904, p. 131. 2½ columns.

A DISCOVERY OF TIN IN ALASKA: Finding of a Tin-Bearing Dike Showing Rich Ores said to be in Large Quantities. By R. N. Bell. M. & M., Feb., 1904, p. 328. ½ column.

WHITE HORSE COPPER CAMP, YUKON TERRITORY. Min. & Sci. Press, vol. 89, p. 308. 4½ columns.

COPPER PROSPECTS OF PRINCE WILLIAM SOUND, ALASKA. By U. S. Grant. E. & M. J., vol. 83, p. 229. 2¼ columns. Map.

THE OUTLOOK FOR COAL-MINING IN ALASKA. By A. H. Brooks. T. A. I. M. E., vol. 36, p. 489. 20 pages. Map.

THE MATANUSKA COAL FIELD, ALASKA. By W. Griffith. M. & M., vol. 26, p. 433. 8½ columns. I.

CANNEL COAL IN ALASKA. Coll. Engr., vol. 9, p. 197. 1¾ columns.

COAL RESOURCES OF THE YUKON BASIN, ALASKA. By A. J. Collier. U. S. G. S., Bulletin No. 213, pp. 276–283. 1903.

REPORT ON COAL AND LIGNITE OF ALASKA. By W. H. Dall. U. S. G. S., 17th Ann. Rept., pt. 1, pp. 763–808. 1896.

THE COAL RESOURCES OF ALASKA. By A. H. Brooks. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 517–571. 1902.

THE COAL-FIELDS OF COOK INLET, ALASKA, AND THE PACIFIC COAST. By J. Kirsopp. T. I. M. E., vol. 21, p. 516. 50 pages. I.

COAL IN ALASKA. M. & M., Aug., 1903, p. 30.

THE MINERAL RESOURCES OF SOUTHEAST ALASKA. By G. W. Garside. T. A. I. M. E., vol. 21, p. 895.

AN ORE FORMATION ON PRINCE OF WALES ISLAND (Southeast Alaska). By W. T. A. Thomas. T. I. M. & M., vol. 10, p. 44. 8 pages.

THE INVESTIGATION OF ALASKA'S MINERAL WEALTH. By A. H. Brooks. T. A. I. M. E., vol. 35, p. 376. 20 pages. I.

UNITED STATES GEOLOGICAL SURVEY PUBLICATIONS ON ALASKA, 1891–1904. T. A. I. M. E., vol. 35, p. 391.

RECONNAISSANCE IN THE SUSHITNA BASIN AND ADJACENT TERRITORY IN ALASKA IN 1898. By G. H. Eldridge. 20th Ann. Rept. U. S. Geol. Survey, 1900, pp. 1–29.

PRELIMINARY REPORT OF A RECONNAISSANCE ALONG CHANDLER AND KOYUKUK RIVERS, ALASKA, IN 1899. By F. C. Schrader. U. S. G. S., 21st Ann. Rept., 1900, pp. 447–485.

MINERAL RESOURCES OF THE MOUNT WRANGELL DISTRICT, ALASKA. E. & M. J., vol. 75, p. 824. ⅞ column.

THE SEA LEVEL MINE, ALASKA. By W. H. Washburn. Min. & Sci. Press, vol. 86, p. 297. 5 columns. I.

MINING AND RAILROADING WITHIN THE ARCTIC CIRCLE. By P. F. Linder. E. & M. J., vol. 58, p. 436. 2 columns.

BORNITE ORES OF BRITISH COLUMBIA AND THE YUKON TERRITORY. By Wm. M. Brewer. J. C. M. I., vol. 8, p. 172. 10½ pages.

PLATINUM IN THE YUKON. E. & M. J., vol. 84, p. 273. 4 columns.

LODE MINING IN ALASKA. Min. & Sci. Press, vol. 92, p. 414. 2 columns.

AN INTERESTING ORE OCCURRENCE, CORONATION ISLAND, ALASKA. By G. A. Packard. E. & M. J., vol. 80, p. 675. 2 columns. I.

Argentine Republic

THE MINES OF ARGENTINA, SOUTH AMERICA. M. & M., Jan., Feb. and Mar., 1903.

THE MINERALS OF THE SIERRA DE USPALLATA, ARGENTINE REPUBLIC. By G. Ave-Lallemant. E. & M. J., vol. 60, p. 587. 1¼ columns.

AN ARGENTINE COBALT MINE. E. & M. J., vol. 78, p. 176. 1 column.

MINERAL RESOURCES OF THE ARGENTINE REPUBLIC. By J. M. Rowbotham. E. & M. J., vol. 64, p. 250. 1¼ columns.

Mining in Northern Argentina. By C. C. Longridge. T. F. I. M. E., vol. 12, p. 327. 8 pages.

Notes upon the Mines in the Argentine Republic, South America. By H. D. Hoskold. T. F. I. M. E., vol. 3, p. 418, 32 pages, I.; and p. 617, 1 page.

The Mines of Argentina: A Description of Some of the Districts and Short Histories of the Work which has been done in Development. By R. B. Brinsmade. M. & M., Mar., 1903, p. 343. 8½ columns.

The Mines of Argentina: The Adaptation, by the Natives, of the Methods of Working to the Requirements and Limitations of the Country. By R. B. Brinsmade. M. & M., Jan., 1903, p. 273. 7 columns.

Mining Possibilities in Argentina. By W. R. Boggs, Jr. Min. Mag., vol. 12, p. 283. 8 columns. I. Map.

Mines and Mining in the Argentine Republic. E. & M. J., vol. 47, p. 111. 3½ columns.

Copper Mines of the Pampa Central. By J. B. Ambrosetti. E. & M. J., vol. 59, p. 555. ½ column.

Arizona

Equipment of the Sultan Mine, Arizona. By C. E. Bunker. Min. & Sci. Press, vol. 87, p. 319, 2¼ columns, I.; and vol. 87, p. 335, 3 columns, I.

La Fortuna Mine, Arizona. Min. & Sci. Press, vol. 84, p. 34. ⅔ column. I.

The Silver King Mine, Arizona. E. & M. J., vol. 47, p. 85. 1 column.

Yavapai County, Arizona. E. & M. J., vol. 78, p. 832. 4¾ columns. I.

The Silverbell Mountains, Arizona. By W. G. Barney. E. & M. J., vol. 78, p. 755. 2 columns.

The Silver King Mine, Arizona. E. & M. J., vol. 46, p. 542. 1 column.

Mining in Yavapai County, Arizona. By J. F. Blandy. E. & M. J., vol. 63, p. 212, 1¼ columns; and p. 632. 4 columns, I.

Occurrence of Gold and Silver in Oxidized Copper Ores in Arizona. E. & M. J., vol. 45, p. 435. ½ column.

The Fortuna Gold Mine, Arizona. By W. P. Blake. E. & M. J., vol. 63, p. 664. 1 column.

The Occurrence and Treatment of the Argentiferous Manganese Ores of Tombstone District, Arizona. By C. W. Goodale. T. A. I. M. E., vol. 18, p. 910.

The Mining Region Around Prescott, Arizona. By J. F. Blandy. T. A. I. M. E., vol. 11, p. 286.

Mining in Yavapai County, Arizona. By J. F. Blandy. E. & M. J., vol. 66, p. 547. 1¼ columns. I.

The Pearce Mining District, Arizona. By F. M. Endlich. E. & M. J., vol. 63, p. 571. 1 column.

Notes on Arizona Silver Mines. By T. B. Comstock. E. & M. J., vol. 57, p. 103. 1⅔ columns.

The Kaiser Gold Mines, Ltd. E. & M. J., vol. 48, p. 404. ⅞ column.

The Copper Ore-Deposits and the Copper Production near Clifton, Arizona. E. & M. J., vol. 39, p. 68. 3 columns.

The Verde Mining District, Arizona. By J. Jewett. E. & M. J., vol. 72, p. 169. 6 columns. I.

The Verde Mining District, Yavapai County, Arizona. By G. W. Miller. Min. & Sci. Press, vol. 86, p. 70. 4 columns. I.

The (New) Mining Revival at Tombstone, Arizona. E. & M. J., vol. 73, p. 314. 4¼ columns. I.

The Congress Mines, Arizona. E. & M. J., vol. 77, p. 999. 3 columns. I.

Gold Deposits of Arizona. By J. H. Pratt. E. & M. J., vol. 73, p. 795. 4½ columns. Map.

Mining in Arizona. E. & M. J., vol. 45, p. 362. 1½ columns.

Tombstone, Arizona, Restored. By R. B. Brinsmade. M. & M., vol. 27, p. 371. 7½ columns. I.

Tombstone and Its Mines. By W. P. Blake. T. I. M. E., vol. 34, p. 668.

Tombstone, Arizona, Mining District. By J. A. Church. E. & M. J., vol. 73, p. 584. 3 columns. I. Map.

The Tombstone District of Arizona. Min. & Sci. Press, vol. 90, p. 189. 4½ columns. I.

The Geology and Veins of Tombstone, Arizona. By W. P. Blake. T. A. I. M. E., vol. 10, p. 334.

The Occurrence of and Treatment of the Argentiferous Manganese Ores of Tombstone District, Arizona. By C. W. Goodale. T. A. I. M. E., vol. 17, p. 767.

The Vulture Mine, Arizona. By C. W. Purington. Min. & Sci. Press, vol. 94, p. 308. 4½ columns. I.

Lead-Silver Deposits of Mowry, Arizona. By R. B. Brinsmade. M. & M., vol. 27, p. 529. 4½ columns. I.

The Poland Mine, Big Bug Mountain District, Arizona. E. & M. J., vol. 74, p. 622. 1¾ columns.

The Silverbell Camp, Arizona. E. & M. J., vol. 77, p. 639. 4 columns. I.

The Limestone-Granite Contact-Deposits of Washington Camp, Arizona. By W. O. Crosby. T. A. I. M. E., vol. 36, p. 626. 21 pages.

The Tombstone, Arizona, Mining District. By J. A. Church. T. A. I. M. E., vol. 33, p. 3.

Globe District, Arizona. E. & M. J., vol. 31, p. 248. 1¼ columns.

Copper Ore Deposits near Morenci, Arizona. E. & M. J., vol. 43, p. 202, 2½ columns, I.; and p. 219, 1 column.

An Arizona Copper Deposit. By J. F. Blandy. E. & M. J., vol. 64, p. 97. ¾ column. I.

The Ray Copper Mine, Arizona. By A. Hill. E. & M. J., vol. 69, p. 587. 3 columns. I.

Copper Deposits of Arizona. By F. L. Ransome. Min. Mag., Aug., 1904, p. 132. 4½ columns.

The Copper-Deposits of Copper Basin, Arizona, and Their Origin. By W. P. Blake. T. A. I. M. E., vol. 17, p. 479.

The Copper Queen Mine, Arizona. By James Douglas. T. A. I. M. E., vol. 29, pp. 511 and 1056.

Origin of Copper Ores in Tuscan Serpentine. E. & M. J., vol. 59, p. 560. ¼ column.

Geology and Ore Deposits of the Bisbee Quadrangle, Arizona. Professional Paper No. 21. 168 pages. 1904.

Copper Deposits of the Ojo Basin, Gila Basin, Arizona: The Large Amount of Mineral and Difficulties of Exploiting. By A. Lakes. M. & M., vol. 21, p. 12. 6¾ columns. I.

Clifton-Morenci District, Arizona. Min. & Sci. Press, vol. 82, p. 190. 1¾ columns.

Copper Deposits of Bisbee, Arizona. By F. L. Ransome. In Bulletin U. S. Geol. Survey No. 213, pp. 149–157. 1903.

The Globe Copper District, Arizona. By F. L. Ransom. Professional Paper U. S. Geol. Survey No. 12. 168 pages. 1904.

Copper Deposits at Clifton, Arizona. In Bulletin U. S. Geol. Survey No. 213, pp. 133–140. 1903.

Notes on the Production of Copper in Arizona. By W. E. Newberry. Sch. Mines Quart., vol. 6, p. 370. 4 pages.

Globe District, Arizona. Min. & Sci. Press, vol. 35, p. 338. 1⅞ columns.

The Mineral Wealth of Arizona: Placers, etc. E. & M. J., vol. 11, p. 57. 3 columns.

The Tombstone Mines, Arizona. E. & M. J., vol. 77, p. 919. 4½ columns. I.

Copper Mining at Bisbee, Arizona: History of the Discovery and Development. By R. B. Brinsmade. M. & M., vol. 27, p. 289. 9½ columns. I.

Prescott as a Mining Center. By T. B. Comstock. E. & M. J., vol. 60, p. 513. 1⅓ columns.

The Mines of Prescott, Arizona. E. & M. J., vol. 78, p. 217. 4¾ columns. I.

The Globe and Phœnix Mine. By C. E. Parsons. E. & M. J., vol. 81, p. 848. 1¾ columns.

The Copper Mines of Arizona. E. & M. J., vol. 55, p. 512. 1 column.

The Planet Copper Mines, Arizona. E. & M. J., vol. 78, p. 26. 3 columns. I.

The Globe District, Arizona. E. & M. J., vol. 77, p. 839. 4½ columns. I.

The Bisbee, Arizona, Copper Camp. By Geo. A. Newett. T. L. S. M. I., vol. 10, p. 127. 18 pages.

Copper Deposits at Clifton, Arizona. U. S. G. S., Bull. No. 213, pp. 133–140. 1903.

Copper Deposits of Clifton-Morenci District, Arizona. U. S. G. S., Prof. Paper, No. 43, 375 pages. 1905.

Copper in Northern Arizona. By R. B. Brinsmade. E. & M. J., vol. 84, p. 962. 2 columns. I.

A Turquoise Deposit in Mohave County, Arizona. By A. B. Frenzel. E. & M. J., vol. 66, p. 697. 1⅔ columns. I.

Turquoise Mining in Arizona and New Mexico. Min. & Sci. Press, vol. 85, p. 102. 3¾ columns. I.

The Big Bug Onyx Quarries, Arizona. By J. F. Blandy. E. & M. J., vol. 53, p. 348. 1 column. I.

Notes on the Bisbee District, Arizona. E. & M. J., vol. 78, p. 295. 3 columns.

The Warren District, Arizona. E. & M. J., vol. 78, p. 545. 5⅔ columns. I.

Lithographic Stone in Arizona. By J. F. Blandy. E. & M. J., vol. 57, p. 104. ½ column.

Diatom-Earth in Arizona. By W. P. Blake. T. A. I. M. E., vol. 33, p. 38.

Does Platinum Occur in Arizona? E. & M. J., vol. 69, p. 224. 1 column.

The Deer Creek Coal-Fields, Arizona. By W. B. Devereux. E. & M. J., vol. 32, p. 404. 2 columns.

Notes from Mohave County, Arizona. By T. B. Comstock. E. & M. J., vol. 66, p. 156. 3 columns.

Mining in Arizona. By W. P. Blake. E. & M. J., vol. 67, p. 5. ¾ column.

Iodobromite in Arizona. By W. P. Blake. E. & M. J., Mar. 30, 1905, pp. 604, ½ column; and 612.

Some Arizona Mining Districts. E. & M. J., vol. 68, p. 791. 3 columns.

Some Yavapai, Arizona, Mines. Min. & Sci. Press, vol. 83, p. 283. 2 columns.

Notes from Arizona. By T. B. Comstock. E. & M. J., vol. 52, p. 704. 1½ columns.

Notes on Arizona Mines. E. & M. J., vol. 51, p. 629. ½ column.

Arizona's New Bonanza. E. & M. J., vol. 50, p. 162. 3½ columns. I.

Notes on Arizona Mines. E. & M. J., vol. 49, p. 361. 2½ columns.

The Development and Future Prospects of Mining in Arizona. By J. F. Blandy. E. & M. J., vol. 58, p. 366. 1½ columns.

Arizona. Min. & Sci. Press, vol. 40, p. 280; p. 296, 2 columns; p. 312, 1½ columns; p. 328, 1½ columns; p. 344, 1¾ columns; p. 360, 1¾ columns; p. 376, 1¾ columns; and p. 393, 1¾ columns; vol. 38, p. 185, 1 column; p. 204, ¾ column; p. 241, 1 column, map; p. 321, 1½ columns; and vol. 39, p. 377, 1½ columns. Map.

Notes on the Tungsten Deposits of Arizona. E. & M. J., vol. 78, p. 263, 6½ columns. I.

Arkansas

Note on the Occurrence of Antimony in Arkansas. By C. P. Williams. T. A. I. M. E., vol. 3, p. 150.

The Minerals of a Deposit of Antimony Ores in Sevier County, Arkansas. By F. P. Dunnington. Proc. Am. Assoc. Adv. Sci., vol. 26, 1878, pp. 181–185.

Analysis of Native Antimony Ocher from Sevier County, Arkansas. By J. R. Santos. Chem. News, London, vol. 36, No. 933, 1877, p. 167.

The Antimony Deposit of Arkansas. By E. E. Wait. T. A. I. M. E., vol. 8, p. 42.

Silver in Arkansas. By C. F. Conrad. E. & M. J., vol. 30, p. 172, 1¾ columns; p. 186, 1½ columns; and p. 203, 3 columns.

Diamonds in Arkansas. By H. S. Washington. M. & M., vol. 28, p. 552. 2¾ columns.

Diamonds in Arkansas. E. & M. J., vol. 84, p. 270. 2½ columns.

Zinc- and Lead-Deposits of Northern Arkansas. By G. I. Adams. T. A. I. M. E., vol. 34, p. 163.

The Rush Creek, Arkansas, Zinc District. By H. M. Chance. T. A. I. M. E., vol. 18, p. 505.

The Missouri and Arkansas Zinc-Mines at the Close of 1900. By E. Hedburg. T. A. I. M. E., vol. 31, pp. 379, 1013.

The Zinc and Lead-Deposits of North Arkansas. By J. C. Branner. T. A. I. M. E., vol. 31, p. 572.

The Zinc-Lead Deposits of Southwestern Arkansas. By W. B. Phillips. E. & M. J., vol. 71, p. 431. 1¾ columns.

Zinc and Lead Deposits of Northern Arkansas. By G. I. Adams. In Bulletin U. S. Geol. Survey No. 213, pp. 187–196. 1903.

Zinc Mining in Arkansas. E. & M. J., vol. 47, p. 431. 1½ columns. I.

The Phosphate-Deposits of Arkansas. By J. C. Branner. T. A. I. M. E., vol. 26, p. 580.

The Phosphates of Northern Arkansas. By A. H. Purdue. E. & M. J., vol. 83, p. 1038. ¾ column.

Developed Phosphate Deposits of Northern Arkansas. By A. H. Purdue. U. S. G. S., Bulletin No. 315, pp. 463–473. 1907.

Coal Mining in Arkansas. By W. R. Crane. E. & M. J., vol. 80, p. 774. 8 columns. I.

Arkansas Anthracite Coal. E. & M. J., vol. 73, p. 277. 1 column. I.

The Coal Fields of Arkansas and Indian Territory. By C. Scholz. Min. Mag., vol. 11, p. 520. 10 columns. I.

Preliminary Report on the Camden Coal Field of Southwestern Arkansas. U. S. G. S., 21st Ann. Rept., pt. 2, pp. 313–329. 1900.

The Bonanza Arkansas Coal Mines. By H. F. Bain. E. & M. J., vol. 66, p. 579. 1½ columns.

The Arkansas-Indian Territory Coal-Field. By F. Bache. E. & M. J., vol. 76, p. 390. 5 columns. I.

Bauxite in Arkansas. By W. F. B. Berger. E. & M. J., vol. 77, p. 606. 3 columns. I.

Asphalt Deposits of Pike County, Arkansas. By C. W. Hayes. U. S. G. S., Bull. 213, pp. 353–355. 1903.

The Asphalt Deposits of Pike County, Arkansas. By C. W. Hayes. E. & M. J., vol. 74, p. 782. 3 columns. I.

Arkansas Bauxite Deposits. By E. W. Parker. M. & M., vol. 20, p. 327. 1⅓ columns.

Bauxite and Kaolin in Arkansas. E. & M. J., vol. 51, p. 114. ½ column.

The Arkansas Bauxite Deposits. U. S. G. S., 21st Ann. Rept., pt. 3, pp. 435–472. 1901.

The Clays of Arkansas. U. S. G. S., Bull. No. 351.

Clays of Garland County, Arkansas. U. S. G. S., Bull. No. 285, pp. 407–411. 1906.

Chalk of Southwestern Arkansas, with Notes on its Adaptability to the Manufacture of Hydraulic Cements. By J. A. Taff. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 687–742. 1902.

Notes on Arkansas Roofing Slates. U. S. G. S., Bull. No. 225, pp. 414–416. 1904.

Asia

The Present Condition of Gold Mining in the Kochkara Region in the Ural. Min. & Sci. Press, vol. 77, p. 450, 2 columns; p. 481, 1½ columns; and p. 504, 1½ columns.

The Occurrence of Platinum in the Ural Mountains. Min. & Sci. Press, vol. 77, p. 252, 4 columns; and p. 280, 3 columns.

Emery, Chrome-Ore and Other Minerals in the Villayet of Aidin, of Asia Minor. By W. F. A. Thomae. T. A. I. M. E., vol. 28, p. 208.

Chrome Iron Ore Mining in Asia Minor. By W. F. Wilkinson. T. I. M. & M., vol. 3, pp. 448 and 453.

Chrome Iron Ore Mining in Asia Minor. By W. F. Wilkinson. E. & M. J., vol. 60, p. 4. ⅞ column.

The Ghorband Lead-Mines, Afghanistan. By A. L. Collins. T. F. I. M. E., vol. 6, p. 449. 8 pages.

Coal and Petroleum in Central Asia. By E. D. Levat. E. & M. J., vol. 77, p. 565. 4¼ columns.

The Mines of Laurium, Greece. By H. F. Collins. E. & M. J., vol. 78, p. 751. 8½ columns. I.

Coal in Asia Minor. E. & M. J., vol. 66, p. 218. 1 column.

Mining in Siam. E. & M. J., Jan. 26, 1905, p. 190. 2 columns.

Australia

Auriferous Beaches of New South Wales. Min. & Sci. Press, vol. 68, p. 215. 1½ columns.

Gold in New South Wales. By H. Wood. E. & M. J., vol. 35, p. 147. 3 columns.

The Mitchell's Creek Gold Mines, New South Wales. By W. F. Macdonald. T. I. M. & M., vol. 15, p. 526. 14 pages. I.

Gold Deposits of Mitchell's Creek, New South Wales. T. I. M. & M., vol. 15, p. 526. 14 pages. I.

The Bora Creek Silver District, New South Wales. E. & M. J., vol. 71, p. 121. 2 columns.

The Cobar Gold-Copper Field, New South Wales. E. & M. J., vol. 71, p. 406. 1¾ columns.

The Deep Leads in Victoria. By W. Lindgren. E. & M. J., Feb. 16, 1905, p. 314. 9 columns. I.

The Bendigo Gold-Field. By T. A. Rickard. T. A. I. M. E., vol. 20, p. 463.

Mining Conditions and Progress in Western Australia: Wages and Costs of Ore Treatment in Kalgoorlie. By W. Burrell. M. & M., Aug., 1904, p. 42. 2½ columns. I.

Kerosene Shale in Australia. By J. Plummer. E. & M. J., vol. 78, p. 66. 5¾ columns. I.

The Mount Morgan Mine, Queensland. By T. A. Rickard. T. A. I. M. E., vol. 20, p. 133.

The Deep Leads of Victoria, Australia. By W. Lindgren. Min. Mag., Jan., 1905, p. 31. 16 columns. I.

The Kalgurlie District, West Australia. E. & M. J., vol. 68, p. 365. 1 column.

First Impressions of Western Australia. By T. A. Rickard. E. & M. J., vol. 64, p. 610. 1¼ columns.

Dry Placer Working in Western Australia. By T. A. Rickard. E. & M. J., July 8, 1899, p. 37. 2⅓ columns. I.

The Alluvial Leads of Western Australia. E. & M. J., vol. 67, p. 555. 1½ columns. I.

What is a Deep Lead? By T. A. Rickard. E. & M. J., vol. 67, p. 646. I.

A New Australian Silver Field. By J. Plummer. E. & M. J., vol. 66, p. 699. 1 column.

Kalgoorlie, Western Australia. By T. A. Rickard. E. & M. J., vol. 65, p. 460. 2 columns.

Notes on the Principal Gold-Mining Districts and Mines of Western Australia. By W. T. Saunders. T. I. M. E., vol. 28, p. 585. 18 pages.

Gold Mining Industry of Australasia. By F. S. Mance. E. & M. J., vol. 82, p. 391. 2 columns.

Notes on Western Australia Mines. By W. Burrell. E. & M. J., vol. 82, p. 437. 1½ columns.

Notes on Western Australia Mines. By J. Gruss. Min. & Sci. Press, vol. 76, p. 4. 2⅞ columns.

The Victoria Gold Field and the Poor Rock there Worked with Profit. Am. Jour. Min., vol. 2, p. 43, 1½ columns; and p. 60, 1¾ columns.

Alluvial Workings at Coolgardie. By A. G. Charlton. Gold Min. & Milling, Chap. 2, p. 31. I.

The Lucknow (New South Wales) Gold Field. By A. R. Canning. T. I. M. & M., vol. 7, p. 238. 34 pages. I.

Bibliography of the Deep Alluvial Workings, Australia. T. I. M. & M., vol. 7, p. 115. 3½ pages.

The Deep Alluvial Leads of Victoria, Australia. By E. Lidgey. T. I. M. & M., vol. 7, p. 96. 26 pages.

Mount Boppy Goldfield, New South Wales. By E. F. Pitman. M. & M., vol. 27, p. 13. 2¾ columns. I.

The Mount Morgan Mine, Queensland. Min. & Sci. Press, vol. 79, p. 610. 1¾ columns.

The Mount Morgan Gold Mine. By E. Hall. Min. & Sci. Press, vol. 77, p. 633. 1 column.

A Great Gold Mine: Mount Morgan. Min. & Sci. Press, vol. 76, p. 56. 2 columns.

The Mount Morgan Mine. Min. & Sci. Press, vol. 85, p. 174. 1¾ columns.

West Australian Gold Mining. Min. & Sci. Press, vol. 75, p. 5. 1½ columns.

A Curious Old Mine: Mount Morgan. Min. & Sci. Press, vol. 52, p. 341, 1¾ columns, I.; p. 357, ½ column; and p. 377, 2½ columns. Map.

Ballarat, Australia. By T. A. Rickard. E. & M. J., vol. 58, p. 368. 1 column.

The Gimpie Goldfield, Australia. By F. D. Power. E. & M. J., vol. 79, p. 1040. 6 columns. I.

Gold Mining in Australia. E. & M. J., vol. 44, p. 205. 1¼ columns.

The Barrier Range Silver Field, Australia. By G. E. Boxall. E. & M. J., vol. 54, p. 340. 2 columns.

Deep Placer Deposits of Victoria. By H. L. Wilkinson. E. & M. J., vol. 80, p. 1208. 7⅔ columns. I.

The Mount Morgan Mine, Australia. E. & M. J., vol. 80, p. 633. 1 column.

Mining in Western Australia. M. & M., vol. 25, p. 601. 2 columns.

Review of the Progress of Gold Mining in Australia During 1902. By D. Clark. E. & M. J., vol. 75, p. 850. 5½ columns.

Recent Progress in West Australia. E. & M. J., vol. 77, p. 275. 3⅔ columns. I.

The Deep Leads in Victoria. By W. Lindgren. E. & M. J., Feb. 16, 1905, p. 314. 9 columns. I.

The Kalgoorlie Gold-Field. By H. J. Brooks. E. & M. J., vol. 73, p. 49. 2½ columns. I.

The Saddle Reefs of Bendigo, Australia. By T. A. Rickard. E. & M. J., vol. 73, p. 440. 12 columns. I.

The Charters Towers Gold-Fields, Queensland. By J. M. Maclaren. T. I. M. E., vol. 21, p. 379. 22 pages. I.

The Kalgoorlie Gold-Field. By S. J. Becher. T. I. M. E., vol. 18, p. 42. 8 pages. I.

Gold and Other Mineral Resources of Western Australia. By R. H. Lapage. T. F. I. M. E., vol. 7, p. 497. 36 pages.

Notes of a Visit to the Gold Mines at Kalgoorlie, West Australia. By Wm. Frecheville. T. I. M. & M., vol. 6, p. 140.

Notes on the South German Mine, Maldon, Victoria. By J. Mactear. T. I. M. & M., vol. 6, p. 43.

Gold in Ancient, Consolidated Placers: The Auriferous, Silurian, and Devonian Formation of Gippsland, Victoria, Australia. By H. Herman. M. & M., vol. 19, p. 324. 1 column.

Hydrothermal Gold-Deposits at Peak Hill, Western Australia. By F. Reed. T. F. I. M. E., vol. 14, p. 89. 4 pages.

The Kalgoorlie Mines of the Great Western Australian Gold Backbone. By D. H. Lawrence. T. I. M. E., vol. 15, p. 436. 6 pages.

The Nullagine District, Pilbarra Gold-Field, Western Australia. By S. J. Becher. T. I. M. E., vol. 16, p. 44. 10 pages. I.

The Ore-Deposits of the Silver Spur Mine and Neighborhood, Texas, Queensland. By H. G. Stokes. T. I. M. E., vol. 17, p. 274. 12 pages. I.

The Kalgoorlie Gold-Mines, Western Australia. By H. F. Bulman. T. I. M. E., vol. 17, p. 343. 24 pages. I.

Report on the Bendigo Gold Field. By T. A. Rickard. E. & M. J., vol. 56, p. 243. 1⅔ columns.

The Great Gold Strike in Western Australia. By E. D. Peters. E. & M. J., vol. 56, p. 210. 1½ columns.

The Goldfields of Western Australia. By A. F. Calver. E. & M. J., vol. 57, p. 438, 2 columns; p. 461, 2 columns.

Mining at Bendigo, Australia. By T. A. Rickard. E. & M. J., vol. 59, p. 29. 2 columns.

Australian Mining in 1905. E. & M. J., vol. 80, p. 438. 2 columns.

The Indicator Veins, Ballarat, Australia. By T. A. Rickard. E. & M. J., vol. 60, p. 561. 3 columns. I.

The Gold-Fields of Otago. By T. A. Rickard. T. A. I. M. E., vol. 21, p. 411.

Australian Gold Mining at Deep Levels. By J. Plummer. E. & M. J., vol. 61, p. 158. 1½ columns.

The Broken Hill Silver Mines in Australia. E. & M. J., vol. 62, p. 31. 1¾ columns.

The Ore-Deposits of the Australian Broken Hill Consols Mine, Broken Hill, New South Wales. By G. Smith. T. A. I. M. E., vol. 26, p. 69.

The Western Australian Gold Fields, Their Progress and Prospects: Coolgardie and Kalgoorlie. Activity on the Northern Fields. By A. Howell. M. & M., Apr., 1902, p. 395. 4¼ columns.

The Bendigo Gold-Field: Ore-Deposits Other than Saddles. By T. A. Rickard. T. A. I. M. E., vol. 21, p. 686.

Progress of Gold Mining in Western Australia. By W. G. Burrell. M. & M., Nov., 1904, p. 203.

The Alluvial Deposits of Western Australia. By T. A. Rickard. T. A. I. M. E., vol. 28, p. 490.

Kalgoorlie, Western Australia, and Its Surroundings. By G. J. Bancroft. T. A. I. M. E., vol. 28, pp. 88, 808.

Gold-Quartz Veins in Victoria. By T. A. Rickard. E. & M. J., Mar. 23, 1905, p. 573. 4 columns.

Characteristics of Gold-Quartz Veins in Victoria. By W. Lindgren. E. & M. J., Mar. 9, 1905, p. 458. 7 columns. I.

The Origin of the Gold-Bearing Quartz of the Bendigo Reefs, Australia. By T. A. Rickard. T. A. I. M. E., vol. 22, pp. 289, 738.

The Superficial Alteration of Western Australian Ore-Deposits. By H. C. Hoover. T. A. I. M. E., vol. 28, p. 758.

The Indicator Vein, Ballarat, Australia. By T. A. Rickard. T. A. I. M. E., vol. 30, p. 1004.

The Veins of Boulder and Kalgoorlie. By T. A. Rickard. T. A. I. M. E., vol. 33, p. 567.

The Peculiar Ore-Deposit of the East Murchison United Gold-Mine, Western Australia. By D. P. Mitchell. T. A. I. M. E., vol. 29, p. 556.

Observations on Some Gold-Bearing Veins of the Coolgardie, Yilgarn, and Murchison Gold-Fields, Western Australia. By E. Halse. T. F. I. M. E., vol. 14, p. 289. 24 pages. I.

The Zeehan and Dundas Silver Field, Tasmania. By W. Thorne. T. I. M. & M., vol. 4, p. 50.

Tin Mining in North Queensland. By J. Munday. E. & M. J., vol. 59, p. 556. 2 columns.

Tin Mining in New South Wales. By J. Plummer. E. & M. J., vol. 73, p. 212. 1 column. I.

Tin in West Australia. E. & M. J., vol. 80, p. 1071. ⅔ column.

Notes on the Mount Bischoff Tin Mine, Tasmania. By S. Fawns. T. I. M. & M., vol. 14, p. 221. 30 pages. I.

Tin Deposits of Tasmania. Tin Deposits of the World, p. 90. 15 pages. I.

The Blue Tier Tinfield, Tasmania. E. & M. J., vol. 80, p. 778. 1 column.

The Stanley River Tin District, Tasmania. E. & M. J., vol. 77, p. 920. ¾ column.

The Briseis Tin Lead at Derby, Tasmania. By E. Rickard. E. & M. J., vol. 75, p. 119. 4 columns. I.

The Mount Bischoff Tin Mine. By S. Fawns. E. & M. J., Mar. 9, 1905, p. 470. 3½ columns. I.

Tin-Mining in Tasmania. By H. W. F. Kayser. T. F. I. M. E., vol. 13, p. 570. 12 pages. I.

The Lancelot Tin-Bismuth Lode, Queensland. E. & M. J., vol. 80, p. 582. 1 column.

Tin Deposits of New South Wales. Tin Deposits of the World, p. 68. 15 pages. I.

Tin Deposits of Queensland. Tin Deposits of the World, p. 83. 8 pages.

Tin Deposits of Western Australia, Northern Territory of South Australia, New Zealand and Victoria. Tin Deposits of the World, p. 105. 8 pages. I.

Mount Bischoff Tin Mine. Tin Deposits of the World, p. 165. 10 pages.

The Vulcan Tin Mine, North Queensland. E. & M. J., vol. 82, p. 155. 2¾ columns. I.

The Broken Hill Mines, New South Wales. By T. A. Rickard. E. & M. J., vol. 52, p. 530. 3 columns.

Broken Hill Zinc. E. & M. J., vol. 80, p. 928. 2 pages.

Mining at Broken Hill, New South Wales. E. & M. J., vol. 76, p. 389. 1¾ columns.

Progress at New South Wales, Broken Hill. E. & M. J., vol. 80, p. 350. 3 columns.

Platinum in Australia. By J. Plummer. E. & M. J., vol. 73, p. 793. ⅞ column.

Platinum Mining at Fifield, New South Wales. By J. B. Jaquet. E. & M. J., vol. 62, p. 220. ⅔ column.

The Occurrence of Platinum in New South Wales. E. & M. J., vol. 62, p. 126. 1½ columns. I.

Diamond Mining in New South Wales. By J. Hunt. E. & M. J., vol. 10, p. 396. 1 column.

On the Occurrence of Diamonds at Inverell, New South Wales. By H. M. Porter. T. I. M. & M., vol. 6, p. 273.

Diamonds in New South Wales. E. & M. J., vol. 78, p. 300. ½ column.

Australian Diamonds. E. & M. J., vol. 66, p. 243. ½ column.

Diamonds in Australia. Min. & Sci. Press, vol. 68, p. 230. ⅔ column.

The Occurrence of Diamonds in Matrix at Oakey Creek, near Inverell, New South Wales. By T. W. E. David. Min. & Sci. Press, vol. 94, p. 63. 2 columns. I.

Ore-Deposits of Mount Lyell, Tasmania. By J. J. Muir. T. I. M. E., vol. 18, p. 367. 4 pages.

Copper Deposits of Mount Lyell, Tasmania. T. I. M. & M., vol. 9, p. 88. 8 pages. I.

Mining at Mount Lyell, Tasmania. E. & M. J., vol. 75, p. 747. 2 columns. I.

The Mount Lyell Copper Deposits, Tasmania. By H. J. Daly. T. I. M. & M., vol. 9, p. 80. 28 pages.

The Mount Lyell Reduction Works, Tasmania. T. I. M. & M., vol. 9, p. 96. 8 pages.

Notes on the Mount Lyell Mine, Tasmania. By S. Fawns. T. I. M. & M., vol. 4, p. 279.

Copper Mining in Australia. By F. S. Mance. E. & M. J., vol. 82, p. 122. 1½ columns.

The Mount Lyell Copper Mine. By S. A. Ionides. Min. & Sci. Press, vol. 92, p. 435. 2 columns. I.

Copper in Australia. By F. S. Mance. E. & M. J., vol. 82, p. 972. ⅞ column.

The Ore-Deposits of the Mount Lyell District, Tasmania. T. I. M. & M., vol. 9, p. 88.

Copper Mining in New South Wales. E. & M. J., vol. 69, p. 227. ⅞ column.

Copper Mining in Australia. Min. & Sci. Press, vol. 26, p. 62. 2 columns.

Copper in New South Wales. By J. Plummer. E. & M. J., vol. 73, p. 50. 1½ columns.

Occurrences of Chrome Ore in Australia. By R. W. Emerson Macivor. E. & M. J., vol. 45, p. 53. 1 column.

Chromite Mining in New South Wales. By J. E. Carne. E. & M. J., vol. 59, p. 603. 1½ columns.

Iron in New South Wales. By J. Plummer. E. & M. J., vol. 72, p. 854. 1 column.

The Coal-Fields South of Sydney, New South Wales. By J. R. M. Robertson. T. F. I. M. E., vol. 4, p. 83. 30 pages.

Notes on the Coal-Fields of New South Wales. By G. B. Walker. T. F. I. M. E., vol. 2, p. 268. 52 pages.

Australasian (New South Wales) Coal. Engineering, London, vol. 70, p. 156. 1¾ columns.

Australian Coal. E. & M. J., vol. 59, p. 56. ⅔ column.

Coal Mining in Queensland. By E. S. Wright. E & M. J., vol. 57, p. 270. ½ column.

The Coal-Fields of Australasia. By S. H. Cox. T. F. I. M. E., vol. 2, p. 321. 23 pages. I.

Anthracite Coal in Australia. By J. Plummer. E. & M. J., vol. 77, p. 568. ⅔ column.

West Australian Mines. By J. H. Curle. E. & M. J., vol. 77, p. 1005. 2 columns.

The Sidney Coalfield. By H. Fletcher. J. M. Soc. N. S., vol. 3, p. 112. 13 pages. I.

Bauxite in New South Wales. By J. Plummer. E. & M. J., vol. 73, p. 763. ½ column.

Bauxite in New South Wales. M. & M., Oct., 1901, p. 127.

Bismuth Mining in Australia. By W. B. Roberts. E. & M. J., vol. 53, p. 668. 1½ columns.

The Mineral Resources of Tasmania. By J. J. Sandeman. T. I. M. E., vol. 18, p. 24. 17 pages. I.

Minerals and Mining in Tasmania. By A. P. Wilson. T. F. I. M. E., vol. 7, p. 276. 9 pages.

Opal Mining in Australia. By C. C. Beresford. Min. & Sci. Press, vol. 90, p. 338. 3 columns.

The Garnet-Formations of the Chillagoe Copper-Field, North Queensland, Australia. By Geo. Smith. T. I. M. E., vol. 34, pp. 467, 974.

Quicksilver in New South Wales. E. & M. J., vol. 61, p. 401. ½ column.

Western Australia's Mining Industries. By H. L. Geissel. E. & M. J., vol. 73, p. 45. 9 columns. I.

Large Ore-bodies in Australia: Mining Methods. By A. Selwyn-Brown. E. & M. J., vol. 80, p. 962. 5 columns. I.

The Mineral Industry of New South Wales. By F. S. Mance. E. & M. J., vol. 83, p. 906. 5 columns.

Mining in Victoria, Australia. Min. & Sci. Press, vol. 21, p. 321. 1⅔ columns.

Mineral Industry of New South Wales. E. & M. J., vol. 79, p. 751. 3⅓ columns.

The White Cliffs Opal Fields, New South Wales. By F. G. de V. Gipps. E. & M. J., vol. 59, p. 437. 1½ columns.

The Mineral Resources of New South Wales. By T. A. Rickard. E. & M. J., vol. 72, p. 491. 4 columns. I.

Hawkins Hill and Hill End, New South Wales. By A. W. Marshall. T. I. M. & M., vol. 9, p. 274. 22 pages. I.

Austro-Hungary

The Roudny Gold Mine, Bohemia. By O. Eypert. Min. Mag., vol. 11, p. 463. 2 columns.

The Silver Mines of Joachimsthal, Bohemia. By R. Helmhacker. E. & M. J., vol. 62, p. 533. 3 columns.

The Gold-Silver Mines in Kopink, Hungary. Min. & Sci. Press, vol. 76, p. 284. 4¾ columns.

The Raibl Zinc Deposits. By W. Gobl. Monograph; and Min. Mag., Aug., 1904, p. 129. ½ column.

Wolfram Ore, Bohemia and Saxony. By R. Helmhacker. E. & M. J., vol. 62, p. 153. 2 columns.

GRAPHITE IN BOHEMIA. E. & M. J., vol. 67, p. 170. Note.

LIGNITE MINING IN BOHEMIA. E. & M. J., vol. 78, p. 915. 1½ columns.

BAUXITE IN AUSTRIA. By R. Helmhacker. E. & M. J., vol. 66, p. 457. ½ column.

THE MITTERBERG COPPER MINE IN AUSTRIAN TYROL. By E. Walker. E. & M. J., vol. 81, p. 507. 5 columns. I.

SALT: Mines of Wieliczka, Austria. Min. & Sci. Press, vol. 61, p. 393. ⅔ column. I.

THE QUICKSILVER MINES OF IDRIA, AUSTRIA. By T. L. Genter. E. & M. J., vol. 76, p. 923. 6 columns. I.

MINING IN TRANSYLVANIA. By E. Levy. Min. & Sci. Press, vol. 93, p. 259. 3½ columns. I.

EMERALD MINES OF AUSTRIA. By A. Thompson. E. & M. J., vol. 82, p. 267. ½ column.

THE CARPANO COALFIELD, ISTRIA, AUSTRIA. E. & M. J., vol. 59, p. 54. ⅔ column.

THE MINING AND WORKING OF QUICKSILVER ORES AT IDRIA, AUSTRIA. E. & M. J., vol. 32, p. 417. 2½ columns.

MINING IN AUSTRIA. By H. R. Jastrow. E. & M. J., vol. 72, p. 109. 1 column.

Belgium

THE MINING INDUSTRY OF BELGIUM. By A. Briat. T. I. M. E., vol. 15, p. 470. 20 pages.

THE COAL-FIELD OF NORTHERN BELGIUM. By E. Harzé. T. I. M. E., vol. 23, p. 668. 16 pages. I.

UNITED COLLIERIES OF THE WEST OF MONS, BOUSSU, BELGIUM. E. & M. J., vol. 59, p. 291. 1 column.

NEW COAL BEDS OF BELGIUM. M. & M., May, 1904, p. 507. ¼ column.

Brazil

THE GOLD-FIELD OF PARACATÚ, MINAS GERAES, BRAZIL. By H. Pearson. T. I. M. E., vol. 31, p. 257. 7½ pages.

NOTES ON BRAZILIAN GOLD ORES. By O. A. Derby. E. & M. J., vol. 74, p. 142. 3 columns.

GOLD MINES OF MINAS, BRAZIL. E. & M. J., vol. 78, p. 547. 4 columns. I.

THE GOLD-FIELDS OF CALCOENE, BRAZIL. By M. Cleri. E. & M. J., vol. 75, p. 328. 3 columns. I.

HISTORICAL SKETCH OF GOLD MINING IN MINAS GERAES, BRAZIL. By A. Medrado. E. & M. J., vol. 73, p. 447. 1¾ columns.

MINAS GERAES, BRAZIL. E. & M. J., vol. 80, p. 453. 5½ columns.

THE MORRO VELHO GOLD MINE, BRAZIL. E. & M. J., vol. 72, p. 485. 9½ columns. I.

GOLD IN THE HIGHLANDS OF BRAZIL. By J. C. Branner. E. & M. J., vol. 59, p. 55. 1 column.

THE GOLD-FIELD OF THE STATE OF MINAS GERAES, BRAZIL. By H. K. Scott. T. A. I. M. E., vol. 33, p. 406.

NOTES ON BRAZILIAN GOLD-ORES. By O. A. Derby. T. A. I. M. E., vol. 33, p. 282.

GOLD-MINING IN BRAZIL. By E. M. Touzeau. T. F. I. M. E., vol. 4, p. 219. 14 pages.

GOLD IN THE PROVINCE OF MINAS-GERAES, BRAZIL. E. & M. J., vol. 36, p. 248. 2 columns.

DIAMOND AND GOLD MINING IN MINAS GERAES, BRAZIL. Min. & Sci. Press, vol. 78, p. 640, 2⅛ columns; p. 668, 2 columns; vol. 79, p. 9, 2⅓ columns; and p. 37, 1½ columns.

DIAMOND MINING IN BRAZIL. E. & M. J., vol. 83, p. 1188. 2 columns.

DIAMOND AND BORT MINING IN BRAZIL. E. & M. J., vol. 82, p. 821. 1 column.

Diamond Mining in the Province of Minas-Geraes, Brazil. E. & M. J., vol. 36, p. 216, 1¾ columns; and p. 233, 1 column.

Brazilian Diamonds and Carbons. E. & M. J., vol. 33, p. 132. ½ column. I.

Diamond Mining in Brazil. E. & M. J., vol. 77, p. 893. ⅓ column.

The Diamond Deposits of Salobro, Brazil. By F. de Paula Oliverra. E. & M. J., vol. 72, p. 635. 4 columns.

Carbons in Brazil. M. & M., vol. 19, p. 203. 1 column.

The Manganese Deposits of Gandarella, Minas Geraes, Brazil. By J. G. Michaeli. E. & M. J., vol. 72, p. 818. 1½ columns.

The Ore Deposits and Mines of Minas Geraes, Brazil. By A. Mezger. E. & M. J., vol. 50, p. 239, 1½ columns; and p. 272, 2 columns.

Manganese Mining in Bahia, Brazil. M. & M., vol. 20, p. 138. 1 column.

The Manganese-Deposits of Bahia and Minas, Brazil. By J. C. Branner. T. A. I. M. E., vol. 29, p. 756.

Manganese Mining in Brazil. E. & M. J., vol. 68, p. 219. 1 column.

On the Occurrence of Mica in Brazil and on Its Preparation for the Market. By H. K. Scott. T. I. M. & M., vol. 12, p. 351. 14 pages. I. Map.

The Minerals of Brazil. By J. Ross. E. & M. J., vol. 59, p. 125. 3 columns.

The Mineral Resources of the State of Rio Grande do Sul, Brazil. By H. K. Scott. T. I. M. E., vol. 25, p. 510. 18 pages. I.

Mining Conditions and Mineral Resources in Brazil. E. & M. J., vol. 72, p. 428. 2 columns. I.

The Mines of Brazil. By A. M. Gibson. E. & M. J., vol. 53, p. 277. 1½ columns.

Mining and Engineering in Brazil. E. & M. J., vol. 49, p. 136. ½ column.

Matto Grosso, Brazil. By A. Brandenburg. E. & M. J., vol. 82, p. 386. 2½ columns.

The Mineral Industry of Brazil. By M. A. R. Lisboa. E. & M. J., vol. 83, p. 419. 5½ columns. I.

Brazil and Its Mineral Industry. By A. Brandenburg. Min. Mag., vol. 13, p. 560. 14 columns. I.

Palladium and Platinum in Brazil. T. I. M. E., vol. 30, p. 607. 1 page.

The Coal Fields of Rio Grande do Sul, Brazil. By R. Henschel. E. & M. J., vol. 10, p. 66. 3½ columns. I.

Bolivia

The Tipuani Gold-Fields of Bolivia. By W. C. Agle. E. & M. J., vol. 63, p. 544. 1¼ columns.

The Cruro Silver Mines in Bolivia. By J. Bosadre. E. & M. J., vol. 60, p. 440. 1 column.

The Potosi, Bolivia, Silver District. By A. F. Wendt. T. A. I. M. E., vol. 19, p. 74.

The Gold Deposits of the Tipuani River, Bolivia. By F. G. Corning. E. & M. J., vol. 42, p. 58. 5 columns. I.

Minerals Found in the Silver Lodes of Tatasi and Portugatete, Bolivia. By M. Roberts. T. I. M. & M., vol. 7, p. 91. 2½ pages.

Chorolque Tin Mines and Alluvial Deposits, Bolivia. By M. Roberts. T. I. M. & M., vol. 9, p. 372. 3½ pages.

Notes on Chorolque Tin Mine and Alluvial Deposits, Bolivia. By M. Roberts. T. I. M. & M., vol. 12, p. 404. 2 pages.

The Tin Deposits of Bolivia. Tin Deposits of the World, p. 112. 12 pages. I.

The Tin Mines of Bolivia. By W. McDermott. T. I. M. & M., vol. 7, p. 77. 15 pages.

Tin Mining in Bolivia. E. & M. J., vol. 82, p. 458. 1¾ columns.

Chorolque Tin Mines and Alluvial Deposits, Bolivia. By M. Roberts. T. I. M. & M., vol. 9, p. 372, 5 pages; and vol. 12, p. 404, 1½ pages.

Tin Mining in Bolivia. E. & M. J., vol. 81, p. 810. 1 column.

The Mining Industry of Bolivia. E. & M. J., vol. 59, p. 438. 1⅞ columns.

Mining in Bolivia. By D. H. Bradley. Min. Mag., Jan., 1905, p. 41. 16 columns. I.

Notes on the Huanchaca Mine, Bolivia, South America. By Robt. Peele. Sch. Mines Quart., vol. 14, p. 152. 4 pages.

The Mining District of Oruro, Bolivia. By O. F. Pfordte. E. & M. J., vol. 53, p. 447. 2 columns. I.

The Mineral Resources of Bolivia. By J. B. Minchin. E. & M. J., vol. 50, p. 192. 3½ columns. I.

The Mines of Bolivia. E. & M. J., vol. 48, p. 52. 1 column.

Sketch of the Bolivian Republic, South America. E. & M. J. vol. 42, p. 220, 4 columns, I.; and p. 238, 4 columns.

Railway and Mining Developments in Bolivia. E. & M. J., vol. 82, p. 2. 3 columns.

British Columbia

Mining Practice at Rossland, British Columbia: The Methods of Development at War Eagle and Centre Star. By R. B. Brinsmade. M. & M., vol. 21, p. 363. 10 columns. I.

A Trip to Rossland, British Columbia: An Account of Some of the Mines and the Peculiarities of the Ores. By A. Lakes. M. & M., July, 1900, p. 543. 6 columns.

Mining in the Rossland District. By C. M. Campbell. J. C. M. I., vol. 5, p. 447. 45 pages. I.

The Ore Deposits of Rossland, British Columbia. By E. B. Kirby. J. C. M. I., vol. 7, p. 47. 21 pages. I.

The Center Star Mine, Rossland, British Columbia. By L. H. Cole. Min. & Sci. Press, vol. 90, p. 104, 1⅔ columns, I.; p. 117, 2⅓ columns, I.; and p. 140, 1¼ columns.

The Ore-Deposits of Rossland, British Columbia. By B. MacDonald. E. & M. J., vol. 76, p. 198. 5⅔ columns. I.

The West Kootenay Mines, British Columbia. Min. & Sci. Press, vol. 74, p. 153. 1¾ columns.

British Columbia: The Big Bend District, West Kootenay. By F. L. Nason. E. & M. J., vol. 63, p. 453. 2¼ columns.

The Pyramid Mineral District, East Kootenay, British Columbia. E. & M. J., vol. 65, p. 698. 1 column.

The Slocan Mining District, British Columbia. By W. M. Brewer. E. & M. J., vol. 65, p. 549. 1 column.

The Cassiar District, British Columbia. E. & M. J., vol. 67, p. 205. 4¾ columns. I.

The Atlin District in British Columbia. By W. M. Brook. E. & M. J., vol. 68, p. 605. 2¾ columns. I.

The Boundary District, British Columbia. By C. A. Bramble. E. & M. J., vol. 68, p. 699. 2 columns.

Notes from the Similkameen District, British Columbia. By C. A. Bramble. E. & M. J., vol. 69, p. 229. 1 column.

Quesnelle Forks Mining Division of British Columbia. By W. M. Brewer. M. & M., Feb., 1904, p. 297. 6¾ columns.

MINING OPERATIONS IN ATLIN, BRITISH COLUMBIA: A Description of Some of the Placers and the Hydraulic Plants which are being Installed. By R. L. Watson. M. & M., Dec., 1901, p. 193. 5 columns.

THE CAMBORNE MINING DISTRICT OF BRITISH COLUMBIA. By N. W. Emmens. Min. Mag., Feb., 1905, p. 130. 17 columns. I.

THE BOUNDARY CREEK DISTRICT, BRITISH COLUMBIA. By W. M. Brewer. E. & M. J., vol. 71, p. 389. 2 columns.

GOLD AND MANGANESE MINING IN BRITISH COLUMBIA. M. & M., Dec., 1908, p. 237.

BOUNDARY AND TRAIL CREEK MINING DISTRICTS OF BRITISH COLUMBIA. By W. L. Austin. M. & M., vol. 18, p. 268. 8 columns.

THE TRAIL CREEK GOLD MINING DISTRICT OF BRITISH COLUMBIA. By J. D. Sword. T. F. C. M. I., vol. 1, p. 83. 13 pages. I.

NOTES ON ATLIN GOLD FIELDS. By J. C. Gwillim. J. C. M. I., vol. 3, p. 97. 5 pages.

NOTES ON THE GOLD-BEARING LODES OF CAYOOSH CREEK, BRITISH COLUMBIA. By G. F. Monckton. T. F. C. M. I., vol. 2, p. 1. 4 pages.

AN OCCURRENCE OF FREE-MILLING GOLD VEINS IN BRITISH COLUMBIA. By W. H. Merritt. J. C. M. I., vol. 2, p. 143. 9 pages.

GOLD-BEARING REEFS AND PLACERS OF NORTHERN BRITISH COLUMBIA. By W. H. Merritt. T. F. C. M. I., vol. 3, p. 103. 9 pages. I.

THE ORE DEPOSITS OF THE BOUNDARY CREEK DISTRICT, BRITISH COLUMBIA. By R. W. Brock. J. C. M. I., vol. 5, p. 365. 14 pages.

THE IRON ORE DEPOSITS NEAR KITCHENER, BRITISH COLUMBIA. By W. Blakemore. J. C. M. I., vol. 5, p. 76. 4 pages. I.

CHARACTERISTICS OF THE ATLIN GOLD FIELD. By J. C. Gwillim. J. C. M. I., vol. 5, p. 21. 10 pages. I.

THE HUNTER V. MINE, BRITISH COLUMBIA. By J. Ashworth. T. I. M. E., vol. 29, p. 338. 11 pages. I.

NOTES ON MINING AND SMELTING IN THE BOUNDARY DISTRICT, BRITISH COLUMBIA. By F. Keffer. J. C. M. I., vol. 7, p. 42. 5 pages. I.

THE BOUNDARY DISTRICT, BRITISH COLUMBIA. By F. Rickard. Min. & Sci. Press, vol. 94, p. 511. 6 columns. I.

MINING IN THE BOUNDARY DISTRICT, BRITISH COLUMBIA. Min. & Sci. Press, vol. 79, p. 341. 2 columns. I.

MOUNT SICKER MINING DISTRICT, BRITISH COLUMBIA. By W. M. Brewer. Min. & Sci. Press, vol. 87, p. 7. 4 columns.

GOLD-MINING IN THE ROSSLAND DISTRICT, BRITISH COLUMBIA. By J. J. Sandeman. T. I. M. E., vol. 20, p. 401. 4 pages.

MINING DISTRICTS NEAR KAMLOOPS LAKE, BRITISH COLUMBIA. By G. F. Monckton. T. I. M. E., vol. 18, p. 293. 18 pages. I.

ROUTES TO THE YUKON GOLD FIELDS. Placer Mining, Chaps. 4 and 5, pp. 22, 35.

THE BRIDGE RIVER GOLD MINING CAMP. By F. Crikel. J. C. M. I., vol. 3, p. 21. 9 pages. I.

COAL MINING IN THE CROW'S NEST PASS. E. & M. J., vol. 78, p. 59. 1½ columns.

THE BRITISH COLUMBIA MINE, SUMMIT CAMP, BOUNDARY DISTRICT. By S. F. Parrish. E. & M. J., vol. 72, p. 92. 2 columns. I.

MINING IN BRITISH COLUMBIA, CANADA. By E. Jacobs. E. & M. J., vol. 72, p. 254. 2½ columns. I.

THE JEWEL GOLD MINE, BOUNDARY DISTRICT, BRITISH COLUMBIA. E. & M. J., vol. 72, p. 382. 2¼ columns. I.

MINING IN BRITISH COLUMBIA. E. & M. J., vol. 72, p. 386. 3 columns. I.

BRITISH COLUMBIA: Texada Island. By W. M. Brewer. E. & M. J., vol. 72, p. 665. 6½ columns. I.

CAMP MCKINNEY, BRITISH COLUMBIA. By W. M. Brewer. E. & M. J., vol. 72, p. 784. 3 columns. I.

VANCOUVER ISLAND MINES AND PROSPECTS. By W. M. Brewer. E. & M. J., vol. 72, p. 846. 8 columns. I.

MINING IN BRITISH COLUMBIA: Atlin Mining District; Boulder, Pine and Spruce Creeks; Muro Mountain. By W. M. Brewer. E. & M. J., vol. 72, p. 516. 5½ columns. I.

BRITISH COLUMBIA: Boundary Mining District. Progress in Mining and Smelting. By W. M. Brewer. E. & M. J., vol. 73, p. 617. 10½ columns. I.

BOUNDARY DISTRICT OF BRITISH COLUMBIA. By E. Jacobs. E. & M. J., vol. 73, p. 302. 6¾ columns. I.

NOTES FROM THE ATLIN DISTRICT, BRITISH COLUMBIA. By W. M. Brook. E. & M. J., vol. 74, p. 707. 5½ columns. I.

THE BOUNDARY DISTRICT, BRITISH COLUMBIA. By E. Jacobs. E. & M. J., vol. 76, p. 272. 7¾ columns. I.

THE ATLIN DISTRICT, BRITISH COLUMBIA. By W. W. Grime. E. & M. J., vol. 77, p. 523. 2 columns. I.

THE SNOWSHOE MINE, BOUNDARY DISTRICT, BRITISH COLUMBIA. By E. Jacobs. E. & M. J., vol. 72, p. 661. 4 columns. I.

THE ST. EUGENE MINE, BRITISH COLUMBIA. By E. Jacobs. E. & M. J., vol. 77, p. 966. 2½ columns.

WHITE HORSE DISTRICT IN YUKON TERRITORY. By W. M. Brewer. M. & M., vol. 24, p. 28. 6½ columns. I.

THE TRAIL CREEK DISTRICT, BRITISH COLUMBIA. By P. C. Stoess. E. & M. J., vol. 58, p. 319. 1 column. Map.

WINDY ARM MINERAL LOCATIONS, BRITISH COLUMBIA. By W. F. Robertson. E. & M. J., vol. 81, p. 701. 6 columns. I.

THE CARIBOO QUARTZ LEDGES, BRITISH COLUMBIA. Min. & Sci. Press, vol. 36, p. 33, 3 columns, I.; and p. 82, ¾ column.

TRAIL CREEK (BRITISH COLUMBIA) MINING DISTRICT. Min. & Sci. Press, vol. 73, p. 236. 3¼ columns.

RECENT MINERAL DISCOVERIES ON WINDY ARM OF TAGISH LAKE, BRITISH COLUMBIA. By R. G. McConnell. M. & M., vol. 27, p. 15. 3 columns.

THE ATLIN GOLD FIELDS OF BRITISH COLUMBIA. By J. H. Brownlee. Min. & Sci. Press, vol. 80, p. 549. 5 columns. I.

THE DISCOVERY OF GOLD-BEARING CONGLOMERATES IN BRITISH COLUMBIA. Min. & Sci. Press, vol. 79, p. 692. 1 column.

ALLUVIAL DEPOSITS OF HORSEFLY, BRITISH COLUMBIA. By W. M. Brewer. Min. & Sci. Press, vol. 87, p. 284, 7 columns, I.; and p. 305, 2½ columns, I.

NOTES ON THE DROMEDARY GOLD-MINES. By S. L. Bensusan. T. I. M. & M., vol. 9, p. 306. 4 pages.

SILVER MINES OF WEST KOOTENAY, BRITISH COLUMBIA. By E. D. Ingall. J. M. Soc. N. S., vol. 3, p. 141. 8½ pages.

RAMBLER-CARIBOO MINES, SLOCAN DISTRICT, BRITISH COLUMBIA. E. & M. J., vol. 82, p. 781. 1 column.

THE LE ROI MINE. By O. Hall. J. C. M. I., vol. 5, p. 403. 18 pages.

THE LE ROI, CENTRE STAR, AND WAR EAGLE MINES. By D'Arcy Weatherbe. Min. & Sci. Press, vol. 92, p. 221. 4 columns. I.

THE GRANBY MINE, BRITISH COLUMBIA. E. & M. J., vol. 82, p. 441. 6½ columns. I.

THE SILVER-LEAD DEPOSITS OF THE SLOCAN, BRITISH COLUMBIA. By J. D. Kendall. T. I. M. & M., vol. 7, p. 273. 46 pages. I.

THE LEAD INDUSTRY IN BRITISH COLUMBIA. E. & M. J., vol. 82, p. 551. 3½ columns.

NOTES ON THE BRITISH COLUMBIA ZINC PROBLEM. By A. C. Garde. J. C. M. I., vol. 7, p. 368. 9 pages.

THE ZINC RESOURCES OF BRITISH COLUMBIA. E. & M. J., vol. 82, p. 1069. 2½ columns.

ZINC MINES OF THE EAST AND WEST KOOTENAYS. By P. Argall. Rept. Zinc Comm. Canada, 1906, p. 161. 101 pages.

ZINC ORES IN BRITISH COLUMBIA. E. & M. J., vol. 77, p. 844. 4 columns.

ZINC RESOURCES OF BRITISH COLUMBIA. Min. & Sci. Press, vol. 93, p. 658. 2 columns.

SOME OBSERVATIONS RELATIVE TO THE OCCURRENCE OF DEPOSITS OF COPPER ORE ON VANCOUVER ISLAND AND OTHER PORTIONS OF THE PACIFIC COAST. By Wm. M. Brewer. J. C. M. I., vol. 9, p. 39. 10½ pages.

BRITISH COLUMBIA. By R. C. L. Brown. E. & M. J., vol. 9, p. 179. 5½ columns.

COPPER ON VANCOUVER ISLAND. E. & M. J., vol. 82, p. 592. 1 column.

THE PRODUCTION OF COPPER IN THE BOUNDARY DISTRICT, BRITISH COLUMBIA. By A. R. Ledoux. J. C. M. I., vol. 5, p. 171. 7 pages.

COPPER MINING AT KAMLOOPS, BRITISH COLUMBIA. By W. M. Wade. E. & M. J., vol. 66, p. 698. 1 column.

COPPER MOUNTAIN, BRITISH COLUMBIA. By J. Catherinet. E. & M. J., Jan. 19, 1905, p. 125. 8 columns. I.

BRITISH COLUMBIA COPPER COMPANY'S MINES. By E. Jacobs. E. & M. J., vol. 71, p. 648. 3 columns. I.

THE ORE-DEPOSITS OF COPPER MOUNTAIN, SIMILKAMEEN DISTRICT, BRITISH COLUMBIA. By O. N. Scott. J. C. M. I., vol. 5, p. 493. 9 pages. I.

COPPER DEPOSITS OF MOUNT SICKER, VANCOUVER. E. & M. J., vol. 78, p. 673. 3 columns.

IRON ORES OF THE WESTERN UNITED STATES AND BRITISH COLUMBIA. U. S. G. S., Bull. No. 285, pp. 194–200. 1906.

GRAHAM ISLAND COAL, VANCOUVER. E. M. & J., vol. 78, p. 631. 2 columns.

COAL MINING ON VANCOUVER ISLAND. By R. L. Watson. M. & M., vol. 21, p. 249. 5 columns. I.

THE CROW'S NEST PASS COAL MINE. By C. V. Corliss. E. & M. J., vol. 71, p. 810. 3½ columns. I.

NOTES ON THE SPECIAL FEATURES OF COAL MINING IN THE CROW'S NEST, BRITISH COLUMBIA. By J. McEvoy. J. C. M. I., vol. 7, p. 500. 5 pages.

NOTES ON THE CROW'S NEST COAL FIELD, BRITISH COLUMBIA. By J. Ashworth. T. I. M. E., vol. 29, p. 330. 7 pages.

THE CASSIAR COALFIELDS IN BRITISH COLUMBIA. By J. J. Bell. E. & M. J., vol. 83, p. 1007. 2 columns. I.

THE COMOX AND QUATSING COAL-FIELDS, VANCOUVER ISLAND, BRITISH COLUMBIA. By W. M. Brewer. E. & M. J., vol. 74, p. 180. 4 columns.

THE COOS BAY COAL-FIELDS. By C. Rockwell. E. & M. J., vol. 73, p. 238, 7½ columns, I.; and p. 270, 6 columns, I.

THE CROW'S NEST PASS COAL-FIELDS. By W. M. Brewer. E. & M. J., vol. 73, p. 549, 8 columns, I.; and p. 757, 2½ columns.

BRITISH COLUMBIA COAL FIELDS. By W. M. Brewer. E. & M. J., vol. 73, p. 408. 9 columns. I.

THE COAL CREEK COLLIERY OF THE CROW'S NEST PASS COAL COMPANY. By C. V. Corliss. J. C. M. I., vol. 4, p. 155. 19 pages. I.

PIONEER WORK IN THE CROW'S NEST COAL AREAS. By Wm. Blakemore. J. C. M. I., vol. 4, p. 230. 14 pages. I.

THE FUTURE OF THE COAL AND COKE SUPPLY OF BRITISH COLUMBIA. By W. Blakemore. J. C. M. I., vol. 6, p. 224. 8 pages.

Cinnabar-Bearing Rocks of British Columbia. By G. F. Monckton. T. I. M. E., vol. 27, p. 463. 8 pages. I.

Platinum on the Fraser River. E. & M. J., vol. 83, p. 1060. ¼ column.

Platinum in British Columbia. By R. W. Brock. E. & M. J., vol. 77, p. 280. 2½ columns.

Notes on Some of the Mining Districts of British Columbia. By W. H. Merritt. E. & M. J., vol. 63, p. 67. 1¾ columns.

Mineral Deposits of the Coast Region of British Columbia. By G. F. Monckton. E. & M. J., vol. 64, p. 40. 1 column.

The Mineral Resources of British Columbia. By W. M. Brewer. E. & M. J., vol. 66, p. 638; vol. 65, pp. 579, 609, 640, 699, 731.

Mineral Resources of British Columbia. By W. M. Brewer. E. & M. J., vol. 68, pp. 515, 549, 665. I.

The British Columbia Mining Industry in 1903. By H. Mortimer. M. & M., Feb., 1904, p. 325. 6½ columns.

Cadwaller Creek Mining Camp, Lillooet Mining District, British Columbia. By W. M. Brewer. E. & M. J., vol. 71, p. 644. 3¾ columns. I.

Mines of British Columbia. M. & M., Sept., 1904, p. 69.

Mining Industry of British Columbia. By W. M. Brewer. E. & M. J., vol. 67, p. 176, 1½ columns; p. 529, 2 columns; vol. 66, p. 9, 1 column; p. 40, 2 columns; p. 62, 1 column; p. 185, 1¾ columns; p. 281, 1 column; p. 515, 1⅞ columns; p. 550, 1 column.

Mineral Regions of British Columbia. By H. M. Beadle. E. & M. J., vol. 62, p. 104, 1¾ columns, I.; and p. 174; 3 columns.

Mineral Fuels of Manitoba and the Northwest Territory. By W. Pearce. E. & M. J., vol. 62, p. 127. 2¼ columns.

Texada Island, British Columbia. By A. Raper. M. & M., vol. 19, p. 447. 2¼ columns.

Mining in British Columbia. By W. M. Brewer. T. I. M. E., vol. 15, p. 455. 6 pages.

A Sketch of the Mining Fields of British Columbia and the Great Northwest. By A. Lakes. M. & M., vol. 18, p. 152. 10 columns. I.

Notes on Mining on the Coast of British Columbia and the Adjacent Islands. By G. F. Monckton. T. F. C. M. I., vol. 3, p. 92. 4 pages. I.

Notes on Some Mining Districts in British Columbia. By J. E. Hardman. T. F. C. M. I., vol. 2, p. 166. 13 pages.

Notes on the Geology and a Few Ore Deposits of Southeastern British Columbia. By C. V. Corliss. J. C. M. I., vol. 5, p. 503. 25 pages. I.

The Dry Ores of the Slocan, British Columbia. By R. C. Campbell-Johnston. J. C. M. I., vol. 5, p. 10. 4 pages.

British Columbia in 1906. By E. Jacobs. E. & M. J., vol. 83, p. 189. 4 columns.

Britannia Mines, Howe Sound, British Columbia. By W. M. Brewer. Min. & Sci. Press, vol. 89, p. 408. 5 columns. +

British Columbia and Its Mines. Min. & Sci. Press, vol. 46, p. 188. 14 columns. I.

Mineral Resources of Vancouver and Adjacent Islands, British Columbia. By W. M. Brewer. T. I. M. E., vol. 17, p. 444. 8 pages.

Mineral Resources of Vancouver Island. By W. M. Brewer. J. C. M. I., vol. 6, p. 188. 11 pages.

The Economic Minerals of Vancouver Island, British Columbia. By W. F. Best. J. C. M. I., vol. 5, p. 228. 4 pages.

See Canada for other information relating to this area.

California

Small Veins, Also Valuable, California. Min. & Sci. Press, vol. 88, p. 178. ½ column.

Prehistoric Rivers of California. Min. & Sci. Press, vol. 79, p. 544. 2¾ columns.

Mysteries of the Ancient Rivers of the Forest Hill Divide, Placer County, California. Min. & Sci. Press, vol. 78, p. 290. 2 columns. I.

Meadow Lake Mining District. By C. W. Raymond. Min. & Sci. Press, vol. 84, p. 46. 5¾ columns.

The Auriferous Black Sands of California. By J. A. Edman. M. & M., vol. 27, p. 563, 2½ columns; and p. 564, 3 columns.

The East Country of the Mother Lode. By J. A. Reid. Min. & Sci. Press, vol. 94, p. 279. 2¾ columns. I.

The Auriferous Black Sands of California. By J. A. Edman. E. & M. J., vol. 83, p. 1047. 4⅔ columns.

Uba River Placers, California. E. & M. J., vol. 74, p. 481. ½ column.

Millions in Gold Beneath the Lava Flows. By Dan De Quille. E. & M. J., vol. 60, p. 537. 1⅔ columns.

Sulphur Creek, Colusa County, California, Gold District. E. & M. J., vol. 42, p. 186. 1½ columns.

Characteristic Mines of the California Gold Belt. Min. & Sci. Press, vol. 79, p. 92, 1⅔ columns; p. 121, 1½ columns; p. 174, 1 column; p. 284, 1¾ columns.

The Vanderbilt Mining District, San Bernardino County, California. Min. & Sci. Press, vol. 79, p. 579. 2 columns.

The San Diego Gold Mines. E. & M. J., vol. 9, p. 210, ¾ column; and p. 275, 1¼ columns.

The San Domingo Copper Mine. Am. Jour. Min., vol. 4, p. 226. 1¼ columns.

California Gold-Mines: Grass Valley, Nevada County, California. By A. Lakes. M. & M., vol. 19, p. 444. 5½ columns. I.

Angel's Camp, Calaveras County, California. E. & M. J., vol. 42, p. 201. ⅔ column.

The Mojave Mining District of California. By C. E. W. Bateson. T. A. I. M. E., vol. 37, p. 160. 17½ pages. I.

Angel's Camp, California, and Vicinity. By H. L. Tyler. E. & M. J., vol. 62, p. 100. 2 columns. I.

The Randsburg Mining District, California. By F. M. Endlich. E. & M. J., vol. 63, p. 209. 1¾ columns.

Auriferous Conglomerate in California. By H. W. Fairbanks. E. & M. J., vol. 59, p. 389. 1⅔ columns.

The Goler Gold Diggings, Mojave, California. By F. L. Nason. E. & M. J., vol. 59, p. 223. 1 column.

Auriferous Veins of Meadow Lake, California. Min. & Sci. Press, vol. 68, p. 118. 2⅙ columns.

On the Occurrence of Tellurium in California. Min. & Sci. Press, vol. 16, p. 9. 2¼ columns.

California Silver-Gold Tellurides. Min. & Sci. Press, vol. 16, p. 17. ⅔ column.

California Ore Deposits. Min. & Sci. Press, vol. 73, p. 258. 1½ columns.

The Gravel Fields of Northern California. Min. & Sci. Press, vol. 74, p. 113. 2⅓ columns.

The Great Northern Gold Field. By A. B. Paul. Min. & Sci. Press, vol. 74, p. 367. 1½ columns. I.

The Cretaceous Auriferous Conglomerate of the Cottonwood Mining District, Siskiyou County, California. By H. W. Turner. E. & M. J., vol. 76, p. 653. 6 columns.

The Gold Deposits of Nevada County, California. By G. P. Grimsley. E. & M. J., vol. 68, p. 487. 2 columns. I.

Notes on Death Valley and the Panamint. By G. D. James. E. & M. J., vol. 80, p. 914. 10½ columns. I.

The California Gold Region: Distribution of Mines. Min. & Sci. Press, vol. 52, p. 292. ⅞ column.

Some Structural Features of the California Gold Belt. By W. H. Storms. Min. & Sci. Press, vol. 87, p. 112, 2⅙ columns, I.; p. 129, 2 columns, I.; p. 149, 1⅔ columns, I.; p. 165, 1 column; p. 183, ⅞ column; p. 202, 1½ columns; p. 216, 1½ columns, I.

The Dorleska Gold Mine, California. By H. Z. Osborne. Min. & Sci. Press, vol. 87, p. 252. 2⅓ columns.

Gold Mining in Australia and California Compared. Min. & Sci. Press, vol. 13, p. 200. 2 columns.

The New River (Trinity County) Mines, California. Min. & Sci. Press, vol. 13, p. 11. 1 column.

Mining in Reese River. Min. & Sci. Press, vol. 13, p. 34; p. 114. 2 columns.

Beach Mining in Humboldt County. Min. & Sci. Press, vol. 13, p. 88. ⅞ column.

Nevada County. Min. & Sci. Press, vol. 13, p. 98. 2¾ columns.

Mines and Mining: Plumas and Sierra Counties. Min. & Sci. Press, vol. 28, p. 140, 1¾ columns; p. 146, 2¼ columns; p. 162, 1½ columns; p. 306, 1½ columns; p. 322, 2½ columns; p. 376, 1 column.

California Gravel Mines. Min. & Sci. Press, vol. 27, p. 401. 1 column.

The Lower California Placer Mines. Min. & Sci. Press, vol. 27, p. 347. 1⅓ columns.

Esmeralda District. Min. & Sci. Press, vol. 36, p. 290, 1 column; p. 306, 1⅓ columns; and p. 409, 3¾ columns, I.

The Idaho Mine, California. Min. & Sci. Press, vol. 34, p. 290. 1 column.

Mining on the California Gold Belt. Min. & Sci. Press, vol. 80, p. 578, 2 columns, I.; p. 608, 1¾ columns; p. 644, 1½ columns; p. 670, ¾ column.

The Gold Belt of Northern California. Min. & Sci. Press, vol. 60, p. 394, 2 columns; p. 412, 1¾ columns; p. 428, 2 columns; vol. 61, p. 3, 3 columns; p. 18, 3⅓ columns; p. 34, 3 columns; p. 50, 3 columns; p. 68, 2½ columns; p. 84, 1½ columns; p. 104, 2 columns; p. 120, 2½ columns; p. 153, 1 column; p. 175, 1 column; p. 207, 1 column; p. 217, 1⅓ columns; p. 248, 1 column; p. 314, 1½ columns; p. 330, 1¾ columns; p. 346, 1 column; p. 369, 1 column; p. 394, 1¾ columns.

The Gold Mines of Angels, California. Min. & Sci. Press, vol. 89, p. 358. 2 columns. I.

May Lund Gold Mine, Mono County, California. Min. & Sci. Press, vol. 85, p. 163. 1 column. I.

The Empire Mines, California: Past and Present. By G. W. Starr. Min. & Sci. Press, vol. 81, p. 120, 1½ columns, I.; p. 152, 2½ columns, I.; p. 184, 3½ columns, I.

Ralston Divide, Placer County, California. By A. Bordeaux. Min. & Sci. Press, vol. 81, p. 609. 2 columns. I.

The Yellow Aster Mine, Randsburg, California. Min. & Sci.Press, vol. 78, p. 341. 3 columns. I.

Some Characteristic Mines of the California Gold Belt. Min. & Sci. Press, vol. 78, p. 534, 2 columns; p. 560, 1 column; p. 589, 1 column; and p. 613, ¾ column.

Further Notes on the Gold Ores of California. Min. & Sci. Press, vol. 70, p. 344. 2⅞ columns.

Description of the Gold Belt of California. Min. & Sci. Press, vol. 70, p. 229. 4¾ columns.

A Gold-Paved Valley. By Dan De Quille. Min. & Sci. Press, vol. 73, p. 108. 2 columns.

Gold Mining in California. By A. J. Bowie. Min. & Sci. Press, vol. 73, p. 257, 4 columns; p. 276, 3 columns; p. 296, 2½ columns.

Mines of the Gold Belt. By W. H. Storms. Min. & Sci. Press, vol. 75, p. 96, 2 columns; and p. 194, 2½ columns.

A "Pocket" Horizon in Trinity County, California. Min. & Sci. Press, vol. 75, p. 549. 1¾ columns.

Gold Formations in California. Min. & Sci. Press, vol. 76, p. 110. 3½ columns.

Gold in Ancient California River Channels. Min. & Sci. Press, vol. 77, p. 107. 8 columns. I.

"The Mother Lode." Min. & Sci. Press, vol. 77, p. 157. ¾ column.

The Gold-Silver Mines of Ophir, California. By Waldemar Lindgren. U. S. G. S., 14th Ann. Rept., pt. 2, pp. 243–284. 1894.

The Gold-Quartz of Nevada City and Grass Valley Districts, California. By Waldemar Lindgren. U. S. G. S., 17th Ann. Rept., pt. 2, pp. 1–262. 1896.

Neocene Rivers of the Sierra Nevada. By Waldemar Lindgren. U. S. G. S., Bulletin No. 213, pp. 64–65. 1903.

Mineral Resources of the Indian Valley Region, California. By Waldemar Lindgren. U. S. G. S., Bulletin No. 260, pp. 45–49. 1905.

Auriferous Gravel Beds of California. Annl. Sci. Discovery, 1857, fol. 327. Letters in the San Francisco Bulletin, Chas. S. Copp. Geol. Survey of Calif. 1861–1864 (Whitney). James Hector, Quart. Jour. of Geol. Soc. of London, vol. 17, 1861. J. S. Hittel, Overland Monthly, vol. 1, San Francisco, 1868.

Report on the Production of the Precious Metals in California to Minister of Public Works. Paris, 1862.

Auriferous Gravels of the Sierra Nevada of California. By J. D. Whitney. Cambridge, Mass. 1880.

Auriferous Gravel Beds of California. By H. de Broot. 2d Annl. Rept. State Mineralogist of California. Sacramento, 1882. Appendix, fol. 134.

Auriferous Gravels of California. J. L. Conte, On the Old River Beds of California. Am. Jour. of Sci., 3d Series, vol. 19, 1880. Andrew Larsen, Min. & Sci. Press, vol. 41. Reprinted in Production of Gold and Silver in the United States, Burchard, Washington, 1880. W. A. Goodyear, Paper read before the California Academy of Science and published in the Evening Bulletin, San. Francisco, vol. 48, No. 140.

The Great Industry of the Pacific Coast: Quartz and Gravel Mines. Min. & Sci. Press, vol. 26, p. 33. 3½ columns. I.

The Primary Gold Deposits of the Sierra Nevada. By W. Lindgren. Min. & Sci. Press, vol. 76, p. 258. 3¾ columns.

Geology of Placer, El Dorado, and Amador Counties, California. Min. & Sci. Press, vol. 70, p. 308. 9¼ columns. I.

The Keystone Consolidated Gold Mining Company, California. Min. & Sci. Press, vol. 82, p. 210. 3½ columns. I.

The Desert Mines of California. Min. & Sci. Press, vol. 69, p. 196. 5½ columns. I.

The Gold Quartz Mines of Grass Valley, Nevada County, California. By F. G. Corning. E. & M. J., vol. 42, p. 418. 5½ columns, I.

Deep Workings at North Star Mines, California. By E. L. Oliver. E. & M. J., vol. 76, p. 925. 2 columns. I.

The Alamo District, Lower California, Mexico. By V. Walikowsi. M. & M., June, 1901, p. 507. 1 column.

Kern County Mines. E. & M. J., Jan. 12, 1905, p. 79. 1¾ columns.

The Cuyrmaca Mountain Mining Region of San Diego County, California: Mining, etc. By A. Lakes. M. & M., Jan., 1904, p. 264.

The Mayflower Mine, California. E. & M. J., vol. 57, p. 173. 2 columns. I.

Mining in the Mojave Desert in California. By F. M. Endlich. E. & M. J., vol. 62, p. 197. 1¾ columns.

The Red Point Drift Gravel Mine, California. By C. F. Hoffmann. E. & M. J., vol. 57, p. 391. 1 column.

Calaveras County Mines at Angels Camp, California. By A. Lakes. M. & M., vol. 20, p. 198. 4 columns. I.

Nevada City and Grass Valley. M. & M., vol. 20, p. 249. 4¾ columns. I.

The Mines of the Calico District, California. E. & M. J., vol. 49, p. 382. 2 columns.

Gold-Bearing Beach Sands of California. By A. Lakes. M. & M., vol. 19, p. 369. 1⅕ columns.

Placer Mining in California: The Conditions of the Industry at Present and an Account of Its Former Greatness. By A. Lakes. M. & M., vol. 19, p. 297. 4 columns. I.

The Buried Rivers of California as a Source of Gold. By J. R. Scupham. M. & M., vol. 19, p. 150. 4¾ columns. I.

The World's Greatest Gold Field. By Dan De Quille. Min. & Sci. Press, vol. 72, p. 66. 1⅔ columns.

The World's Greatest Gold Lode. Min. & Sci. Press, vol. 72, p. 184. 3½ columns.

The Wall Rocks of California Gold Mines. By W. H. Storms. E. & M. J., vol. 59, p. 172. 3½ columns.

The Great Mother Lode of California. By H. W. Fairbanks. E. & M. J., vol. 62, p. 248. 4 columns. I.

A Few Miles of the Mother Lode in California. By R. W. Petre. E. & M. J., vol. 64, p. 635. 1¼ columns.

Observations on Mother Lode Gold-Deposits, California. By W. A. Richards. T. I. M. E., vol. 34, pp. 454, 973.

Characteristics of the El Dorado Gold Belt. By A. T. Heydon. Min. & Sci. Press, vol. 74, p. 233. 1½ columns.

Characteristic Features of California Gold Quartz Veins. Min. & Sci. Press, vol. 70, p. 181, 3⅔ columns; p. 213, 2¾ columns; p. 244, 2½ columns; and p. 344, 2¾ columns.

Peculiar Gold Deposits of California: Modes of Working Them. Min. & Sci. Press, vol. 40, p. 88. 1¾ columns.

About California Gold-Bearing Rocks. By A. Bowman. Min. & Sci. Press, vol. 26, p. 17. 3¼ columns. I.

Auriferous Zones in the Hanging Wall of the Mother Lode of California. Min. & Sci. Press, vol. 78, p. 507. ½ column.

Gold Veins in Granite in California. By W. H. Storms. Min. & Sci. Press, vol. 92, p. 348. 3 columns.

Characteristic Features of Veins in Granite in California. Min. & Sci. Press, vol. 78, p. 428. 3 columns.

Copper Ores in the Cascade Mountains. By R. H. Stretch. E. & M. J., vol. 78, p. 789. 6 columns. I.

The Copper Belt of California. By H. Lang. E. & M. J., vol. 84, p. 909, 13 columns, I.; p. 963, 10½ columns, I.; p. 1006, 13½ columns, I.

The Greenwater Copper District, California. By W. C. Ralston. E. & M. J., vol. 82, p. 1105. 6 columns. I.

Some Notes on Greenwater, a Copper District in California. By E. R. Zalinski. E. & M. J., vol. 83, p. 77. 16¾ columns. I.

Copper in Shasta County, California. Min. & Sci. Press, vol. 94, p. 625. 2¾ columns. I.

The Copper of Shasta County, California. By D. F. Campbell. Min. & Sci. Press, vol. 94, p. 28, 4¾ columns, I.; p. 55, 7½ columns, I.

Copper Resources of California. By M. M. O'Shaughnessy. T. A. I. M. E., California Mines and Minerals, p. 205. 15 pages. I.

Copper in Northern California. By J. S. Diller. Min. & Sci. Press, vol. 85, p. 62, 1⅕ columns; p. 72, 1¼ columns.

Copper Mining in California. Min. & Sci. Press, vol. 39, p. 360. 1 column.

The Greenback Copper Mine, Kern County, California. By H. W. Turner. E. & M. J., vol. 74, p. 547. 3½ columns. I.

The Copper Region of Northern California. By J. S. Diller. E. & M. J., vol. 73, p. 857. 4½ columns. Map.

Copper Deposits of the Redding Region, California. By J. S. Diller. U. S. G. S., Bull. No. 213, pp. 123–132. 1903.

Copper Resources of California. By H. Lang. E. & M. J., vol. 68, p. 247, 1 column; pp. 442, 470, 1½ columns; p. 561, 2½ columns; p. 619, 2 columns.

The Copper Resources of California. By H. Lang. E. & M. J., vol. 68, p. 5, 1½ columns; p. 277, 2 columns.

The Tin Deposits at Temescal, Southern California. Min. & Sci. Press, vol. 75, p. 362. 2 columns.

Temescal Tin District, San Bernardino County, California. Min. & Sci. Press, vol. 61, p. 159. 4 columns. I.

Occurrence of Tin Ore (Wood Tin) in California, Idaho, and Montana. Min. & Sci. Press, vol. 45, p. 89. 1 column.

The Temescal Tin Mines, California. By E. Knight. E. & M. J., vol. 53, p. 276. 1⅔ columns. I.

Tin in California. By H. E. West. E. & M. J., vol. 79, p. 852. 4 columns.

The San Jacinto Tin Mines, California. E. & M. J., vol. 50, p. 450. 4 columns.

Quicksilver in California. By C. G. Yale. Min. & Sci. Press, vol. 94, p. 22. ¾ column.

Pope Valley Quicksilver Mines, California. Min. & Sci. Press, vol. 27, p. 89. 1⅓ columns. I.

Quicksilver in San Luis Obispo County. Min. & Sci. Press, vol. 27, p. 102. ⅔ column.

Quicksilver Mining. Min. & Sci. Press, vol. 27, p. 152. 2½ columns.

Sonoma County Quicksilver Mines. Min. & Sci. Press, vol. 27, p. 166. ¾ column.

Quicksilver in California. T. A. I. M. E., California Mines and Minerals, p. 430. 4 pages. I.

Quicksilver Mines (New Almaden, California). Min. & Sci. Press, vol. 60, p. 303. 4 columns.

The Quicksilver Deposits of California. By W. Forstner. E. & M. J., vol. 78, p. 385. 5½ columns.

Quicksilver Mines of California. E. & M. J., vol. 21, p. 157, 2 columns; p. 180, 1 column.

The Quicksilver Industry of California. By W. Forstner. E. & M. J., vol. 76, p. 318. 1 column.

Quicksilver Mining in California. By G. A. Tweedy. E. & M. J., vol. 73, p. 50. 1 column.

Quicksilver Mines of New Almaden, California. E. & M. J., vol. 47, p. 10. 2 columns. I.

Quicksilver Reduction at New Almaden, California. By S. B. Christy. U. S. G. S., Mineral Resources for 1883–84, pp. 503–536. 1885.

Quicksilver in California. By C. G. Yale. Min. & Sci. Press, vol. 94, p. 22. ¾ column.

New Almaden Mines of Santa Clara County, California. By A. Lakes. M. & M., vol. 19, p. 346, 6½ columns, I.; and p. 416, 6 columns, I.

The Geology of the Quicksilver Mines of California. By L. Wagoner. E. & M. J., vol. 34, p. 334. 1⅔ columns.

Recent Developments of Mining in California. E. & M. J., vol. 78, p. 11. 1½ columns.

The Old and the New California. E. & M. J., vol. 37, p. 215. 2 columns.

Diamonds in California. Min. & Sci. Press, vol. 70, p. 102. 2½ columns.

Diamond Fields of the Pacific Coast. Min. & Sci. Press, vol. 25, p. 72. 1 column.

Some Magnetite Deposits of California. By F. L. Hess. U. S. G. S., Bull. No. 285, pp. 385, 392. 1906.

Magnesite Deposits in California. By C. G. Yale. U. S. G. S., Mineral Resources for 1903, pp. 1131–1135. 1904.

Magnesite. U. S. G. S., Mineral Resources for 1906, pp. 1145–1147. 1907.

Mining and Mineral Resources in the Redding District in 1903. U. S. G. S., Bull. No. 225, pp. 169–179. 1904.

San Bernardino Iron Mines. By C. N. Hubbs. Min. & Sci. Press, vol. 80, p. 178. 2 columns.

Iron Ores of the Redding Quadrangle, California. By J. S. Diller. U. S. G. S., Bull. No. 213, pp. 219–220. 1903.

Tesla Coal Mines. By F. J. Horsewell. M. & M., vol. 19, p. 145. 6 columns. I.

The Coal Beds of California. By H. W. Fairbanks. E. & M. J., vol. 62, p. 10. 1 column.

Borax Deposits of Eastern California. U. S. G. S., Bull. No. 213, pp. 401–405. 1903.

California Borax Mines. Min. & Sci. Press, vol. 69, p. 4. 1½ columns.

Borax Mining in California. By D. A. Willey. E. & M. J., vol. 82, p. 633. 4 columns. I.

Death Valley Borax. By O. M. Boyle. E. & M. J., vol. 84, p. 1133. 1½ columns.

Death Valley, California. By R. H. Chapman. Min. & Sci. Press, vol. 94, p. 215. 6 columns. I.

Reconnaissance of the Borax Deposits of Death Valley and Mohave Desert. By M. R. Campbell. U. S. G. S., Bull. No. 200. 23 pp. 1902.

Bituminous Rock in California. Min. & Sci. Press, vol. 87, p. 151. 1 column. I.

California Asphalt Products. Min. & Sci. Press, vol. 74, p. 469. 2½ columns. I.

The Asphaltum Deposits of California. By E. W. Hilgrad. U. S. G. S., Mineral Resources for 1883–84, pp. 938–948. 1885.

Bituminous Rock Deposits in the Vicinity of San Luis Obispo, California. Min. & Sci. Press, vol. 76, p. 661. 2½ columns. I.

California Asphaltum. By A. Lakes. M. & M., vol. 20, p. 108. 2½ columns. I.

The California Asphalt Industry. By F. H. Minard. E. & M. J., vol. 76, p. 503, 8 columns, I.; and p. 666, 1 column.

A Bituminous Rock Deposit in Santa Barbara County, California. By A. S. Cooper. E. & M. J., vol. 66, p. 278. 4 columns. I.

Platinum in Old Channel Placers. By D. H. Stovall. M. & M., Aug. 1904, p. 50. ½ column.

Diatomaceous Deposits of Northern Santa Barbara County, California. By Ralph Arnold and Robert Anderson. U. S. G. S., Bull. No. 315, pp. 438–447. 1907.

Zinc Carbonate Ores of the Magdalena Mountains, California. By C. R. Keyes. Min. Mag., vol. 12, p. 109. 12 columns. I.

The Salt Industry of San Francisco Bay. By H. Reis. M. & M., vol. 20, p. 301. 2 columns. I.

Marble Deposits of California. Min. & Sci. Press, vol. 68, p. 104. 1⅓ columns.

Slate Deposits of California and Utah. By E. C. Eckel. U. S. G. S., Bull. No. 225, pp. 417–422. 1904.

Limestone of the Redding District, California. By J. S. Diller. U. S. G. S., Bull. No. 213, p. 365. 1903.

The Mineral Industry of California During 1906. By E. A. Aubury. Min. & Sci. Press, vol. 94, p. 26. 4 columns.

The Amalie District of California. By L. H. Dyke. Min. & Sci. Press, vol. 94, p. 764. 2 columns. I.

The Mineral Industry of California. By C. G. Yale. T. A. I. M. E., California Mines and Minerals, p. 1. 52 pages. I.

The Mineral Deposits of East California. Min. & Sci. Press, vol. 73, p. 480, 2 columns; and p. 501, 1⅓ columns.

Resources of California. By J. S. Hittel. San Francisco, 1879.

Natural Wealth of California. By T. F. Cronise. San Francisco, 1858.

Metallic Staples of the Pacific Coast. Min. & Sci. Press, vol. 25, p. 386. 2⅔ columns.

Tuolumne's Gold, California. Min. & Sci. Press, vol. 25, p. 386. ⅓ column.

The Washington Mine, Bath, California. Min. & Sci. Press, vol. 83, p. 130. 1⅓ columns.

Notes on Lower California. E. & M. J., vol. 6, p. 10, 1½ columns; p. 26, 1¼ columns; p. 42, 1½ columns.

Notes on a Journey Through the Central Mining Region of California. Am. Jour. Min., vol. 7, p. 394. 1⅔ columns.

Mining in Lower California. By J. D. Lowry. E. & M. J., vol. 72, p. 457. 4 columns.

The Santa Clara Valley, Puente Hills, and Los Angeles Oil Districts, Southern California. By G. H. Eldridge and R. Arnold. U. S. G. S., Bull. No. 309. 266 pages. 1907.

The Salt Lake Oil Field, near Los Angeles, California. By R. Arnold. U. S. G. S., Bull. No. 285, pp. 357–361. 1906.

The Petroleum Fields of California. U. S. G. S., Bull. No. 213, pp. 306, 321. 1903.

Geology and Oil Resources of the Summerland District, Santa Barbara County, California. U. S. G. S., Bull. No. 321. 67 pages. 1907.

Geology and Oil Resources of the Santa Maria Oil District, Santa Barbara County, California. U. S. G. S., Bull. No. 322. 124 pages. 1907.

Preliminary Report on the Santa Maria Oil District, Santa Barbara County, California. By R. Arnold and R. Anderson. U. S. G. S., Bull. No. 317. 69 pages. 1907.

Notes on the Oil-Yielding Formations of California. By W. L. Watts. Min. & Sci. Press, vol. 79, p. 144, 7 columns, I.; and p. 172, 3¾ columns, I.

Canada

A Trip to Dawson. By A. Mathez. M. & M., Dec., 1901, p. 208. 3½ columns.

Notes on Windy Arm Silver-Bearing Veins. By R. G. McConnell. J. C. M. I., vol. 9, p. 49. 5 pages.

Notes on Some Deposits in the Eastern Ontario Gold Belt. By C. W. Knight. J. C. M. I., vol. 7, p. 210. 33 pages. I.

Gold-Bearing Reefs and Placers of Northern British Columbia. By W. H. Merritt. T. F. C. M. I., vol. 3, p. 103. 9 pages. I.

Notes on the Gold-Bearing Lodes of Cayoosh Creek, British Columbia. By G. F. Monckton. T. F. C. M. I., vol. 2, p. 1. 4 pages.

Some West Kootenay Ore Bodies. By J. C. Gwillim. T. F. C. M. I., vol. 3, p. 21. 8 pages.

Description of the Sultana Quartz Lode, and the Sinking of the Burley Shaft in Bald Indian Bay, Lake of the Woods. By J. Burley. J. C. M. I., vol. 2, p. 87. 9 pages. I.

West Kootenay Ore Bodies. By R. W. Brock. J. C. M. I., vol. 2, p. 72, 15 pages, I.; and vol. 3, p. 141, 2 pages.

The Western Ontario Gold Fields and Their Genesis. By F. Hille. T. F. C. M. I., vol. 2, p. 78. 15 pages. I.

The Gold-Bearing Mispickel Veins of Marmora, Ontario, Canada. By R. P. Rothwell. T. A. I. M. E., vol. 9, p. 409.

The Bed-Rock of the Gilbert River Goldfields, Quebec. E. & M. J., Mar. 23, 1905, p. 556. 2 columns.

The Paragenesis of the Cobalt-Nickel Arsenides of Silver Deposits of Timiskaming. By W. Campbell and C. W. Knight. E. & M. J., vol. 81, p. 1089. 8⅔ columns. I.

Gold Mining in Eastern Ontario. By C. F. Adams. M. & M., Jan., 1902, p. 248. 1 column.

Trail Creek, Canada. By D. B. Bogle. E. & M. J., vol. 62, p. 55, 1 column; and p. 510, 1 column.

Work in the Gold-Fields of Ontario, Canada. E. & M. J., vol. 60, p. 445. 1 column.

Canadian Gold: An Account of the Occurrence of Gold in the Rainy River District and the Province of Quebec. M. & M., vol. 18, p. 541. 1⅓ columns. I.

The Mispickel Gold Ores of Deloro, Ontario. By J. W. Wells. T. F. C. M. I., vol. 2, p. 127. 7 pages.

The Gold-Bearing Deposits of the Eastern Townships of Quebec. By R. Chalmers. T. F. C. M. I., vol. 2, p. 13. 29 pages.

The Gold Deposits of the Eastern Townships. By R. W. Ellis. T. F. C. M. I., vol. 1, p. 109. 18 pages.

NOTES ON THE WESTERN ONTARIO GOLD FIELDS, T. F. C. M. I., vol. 2, p. 278. 5 pages.

GOLD MINING IN THE YUKON DISTRICT. By W. M. Ogivie. T. F C. M. I., vol. 263. 10 pages.

NOTES ON THE GOLD ORES OF WESTERN ONTARIO. By C. Brent. J. C. M. I., vol. 6, p. 327. 9 pages.

THE KLONDIKE GOLD-FIELDS. By J. Meikeljohn. T. I. M. E., vol. 19, p. 352. 12 pages. I.

NOVA SCOTIA GOLD MINES. By G. W. Stuart. E. & M. J., vol. 67, p. 292. 1 column.

ON THE GOLD MEASURES OF NOVA SCOTIA AND DEEP MINING. By E. R. Faribault. The Can. Min. Rev., Mar. 31, 1899, pp. 78–96. 18 pages. I.

THE EASTERN ONTARIO GOLD BELT. By W. G. Miller. E. & M. J., vol. 74, p. 850. 1½ columns.

GOLD PLACERS IN WESTERN ONTARIO. E. & M. J., vol. 74, p. 743. 1 column.

THE PORCUPINE SILVER MINES, ONTARIO. E. & M. J., vol. 45, p. 383. 1 column. I.

TIMISKAMING, ONTARIO. By F. Hewett. E. & M. J., vol. 80, p. 447. 4 columns. I.

TIMISKAMING, CANADA. By S. Dillon-Mills. E. & M. J., vol. 79, p. 996. 4 columns. I.

NEW SILVER DISTRICT IN THE TEMAGAMI RESERVE, CANADA. By L. H. Mattair. E. & M. J., vol. 83, p. 1144. 2½ columns. I.

THE MONTREAL RIVER SILVER DISTRICT. By R. Meeks. E. & M. J., vol. 84, p. 544. 12 columns. I.

THE BED-ROCK OF THE GILBERT RIVER GOLD-FIELDS, QUEBEC. By J. A. Dresser. J. C. M. I., vol. 8, p. 259. 8 pages. I.

THE YUKON GOLD FIELDS. Placer Mining, Chap. 1, p. 1.

THE MINERAL RESOURCES OF THE HUDSON BAY TERRITORY. By R. Bell. T. A. I. M. E., vol. 14, p. 690.

THE KLONDIKE GOLD-FIELDS. By H. Brotnober. E. & M. J., vol. 64, p. 484. 1¼ columns.

NOTES ON GOLD MINING IN HASTINGS COUNTY, ONTARIO, CANADA. By J. T. Donald. E. & M. J., vol. 66, p. 668. 1 column.

THE GOLD-BEARING VEINS OF BAG BAY, NEAR LAKE OF THE WOODS. By Peter McKellar. T. A. I. M. E., vol. 29, p. 104.

LAKE-OF-THE-WOODS, ONTARIO, GOLD DISTRICT. By W. Douglas. E. & M. J., vol. 59, p. 152. 1 column.

NOTES ON THE LAKE OF THE WOODS DISTRICT. By F. H. Probert. T. I. M. & M., vol. 8, p. 332.

THE LAKE OF THE WOODS DISTRICT, ONTARIO. E. & M. J., vol. 74, p. 646. 1¼ columns. I.

THE LAKE OF THE WOODS GOLD-FIELD. By T. A. Rickard. E. & M. J., July 3, 1897, p. 5. 5½ columns. I.

BLACK EAGLE MINE, LAKE OF THE WOODS, ONTARIO, CANADA. E. & M. J., vol. 74, p. 448. 2 columns. I.

THE OCCURRENCE OF GOLD-ORES IN THE RAINY RIVER DISTRICT, ONTARIO, CANADA. By W. H. Merritt. T. A. I. M. E., vol. 26, p. 853.

THE GOLD-FIELDS OF THE RAINY RIVER DISTRICT. By H. V. Winchell. E. & M. J., vol. 64, p. 485. 3¾ columns. I.

THE GEOLOGY AND CHARACTER OF THE RAINY LAKE GOLD DISTRICT, CANADA. By W. W. Taylor. E. & M. J., vol. 58, p. 509. ½ column.

THE RAINY LAKE GOLD DISTRICT. E. & M. J., vol. 58, p. 581. 1 column.

SILVER ISLET. By T. Macfarlane. T. A. I. M. E., vol. 8, p. 226.

THE SILVER MINES OF THUNDER BAY. By P. McKellar. E. & M. J., vol. 59, p. 391. 1¼ columns.

THE SILVER MINES OF THUNDER BAY, LAKE SUPERIOR. By R. Bell. E. & M. J., vol. 43, p. 23, 1 column; p. 42, 1 column; and p. 345, 1½ columns.

A Whole Island of Silver on the North Shore of Lake Superior (Silver Islet). E. & M. J., vol. 11, p. 4. ¾ column.

Mining Notes from the North Shore of Lake Superior (Silver Islet). E. & M. J., vol. 20, p. 7, 1 column; and p. 28, 1 column.

The Silver Islet Vein, Lake Superior. By W. McDermott. E. & M. J., vol. 23, p. 54, 1⅔ columns; and p. 70. ½ column.

The Silver Islet Mine and Its Present Development. By F. A. Lowe. E. & M. J., vol. 34, p. 320. 4½ columns.

Cobalt and the Timiskaming Country. E. & M. J., vol. 82, p. 11. 1 column.

The Bonanza Silver Mines of Cobalt, Ontario. By W. S. Hutchinson. E. & M. J., vol. 83, p. 793. 4 columns. I.

Notes from the Cobalt District. E. & M. J., vol. 82, p. 27. 1½ columns.

The Mines at Cobalt, Canada. By R. Meeks. E. & M. J., vol. 83, p. 96. 7 columns. I.

The Mines of Cobalt. By R. Meeks. E. & M. J., vol. 83, p. 138, 11 columns, I.; and p. 186, 8 columns, I.

The Cobalt District, Canada. E. & M. J., vol. 82, p. 1181. 3 columns.

The Cobalt Mining District. By W. M. Courtis. E. & M. J., vol. 82, p. 5. 6 columns. I.

A Silver Vein Under Clear Lake, Cobalt. By J. J. Bell. E. & M. J., vol. 82, p. 823. 1 column.

Cobalt, Canada. M. & M., vol. 27, p. 456, 7 columns; and p. 488, 7 columns, I.

Cobalt, Ontario. By T. A. Rickard. Min. & Sci. Press, vol. 94, p. 23. 5½ columns. I.

Cobalt, Canada. By J. A. Macdonald. Min. & Sci. Press, vol. 93, p. 449. 2¾ columns. I.

Cobalt, Canada. By D'Arcy Weatherbe. Min. & Sci. Press, vol. 92, p. 161. 5 columns. I.

Cobalt, Canada's Wonderful Silver Camp: Geological Features, etc. By F. J. Frank. M. & M., vol. 27, p. 145. 5 columns. I.

The Nipissing Mine, Cobalt, Ontario. By H. C. George. E. & M. J., vol. 82, p. 967. 4 columns. I.

The Nipissing and Foster-Cobalt Mines. By R. Meeks. E. & M. J., vol. 83, p. 274. 8 columns. I.

Nipissing and Its Fluctuations. E. & M. J., vol. 82, p. 1083. 1⅞ columns.

The Nickel Ores of Orford, Quebec, Canada. By W. E. C. Eustis. T. A. I. M. E., vol. 6, p. 209.

The Nickel Mines of Northern Ontario. E. & M. J., vol. 78, p. 336. 1¾ columns.

The Sudbury Nickel Region. By P. Thompson. E. & M. J., vol. 82, p. 3. 3 columns.

Mining in Eastern Ontario. E. & M. J., vol. 82, p. 11. 1 column.

Canada's Nickel Deposits. By J. A. Macdonald. Min. & Sci. Press, vol. 93, p. 238. 1 column.

The Cobalt-Nickel Arsenides and Silver Deposits of Timiskaming, Canada. By W. G. Miller. Min. Mag., vol. 13, p. 329. 5 columns. Map.

The Sudbury Nickel Mines. By A. McCharles. E. & M. J., vol. 72, p. 755. 1 column.

Nickel Mines and Mining. E. & M. J., vol. 52, p. 695, ½ column; and vol. 51, p. 328, 1¾ columns

Cobalt-Nickel Arsenides and Silver in Ontario. By W. G. Miller. E. & M. J., vol. 76, p. 888. 5 columns.

The Sudbury Nickel Mines. E. & M. J., vol. 74, p. 372, 1 column; and vol. 76, p. 395, 1½ columns.

Two Great Nickel Mines in Canada. E. & M. J., vol. 76, p. 932. 1 column.

The Sudbury District. E. & M. J., vol. 80, p. 116, 2⅔ columns; and vol. 77, p. 14, 1 column.

Development in the Nickel Industry at Sault Ste. Marie, Ontario, Canada. By E. A. Sjöstedt. E. & M. J., vol. 75, p. 632. 2 columns.

The Nickel Mines of Northern Ontario. By A. McCharles. E. & M. J., vol. 73, p. 694. 1½ columns.

The Sulphide Ore Bodies of the Sudbury Region. By L. P. Silver. J.C.M.I., vol. 5, p. 528. 26 pages. I.

The Sudbury Nickel Mines. E. & M. J., vol. 46, p. 235. ⅔ column.

The Sudbury Nickel Region. By E. Renshaw. E. & M. J., vol. 57, p. 245. 3¾ columns. I.

The Ore-Deposits of Sudbury, Ontario. By Chas. W. Dickson. T. A. I. M. E., vol. 34, p. 3. 65 pages.

The Sudbury Nickel Mines in Ontario. By A. McCharles. E. & M. J., vol. 67, p. 144. ½ column.

The Sudbury Ore-Deposits. By E. D. Peters, Jr. T. A. I. M. E., vol. 18, p. 278.

The Sudbury Nickel Deposits. By A. P. Coleman. Ontario Bureau of Mines Rept., 1903. Min. Mag., Sept., 1904, p. 207. 1½ columns.

The Animikie Iron Range, Canada. E. & M. J., vol. 83, p. 703. 1½ columns.

Some Canadian Iron-Ores. By F. P. Dewey. T. A. I. M. E., vol. 12, p. 192.

British Columbia Iron and Coal. By W. M. Brewer. M. & M., Aug., 1902, p. 1. 7 columns.

Investigation of Magnetic Iron-Ores from Eastern Ontario. By F. J. Pope. T. A. I. M. E., vol. 29, p. 372.

Notes on the Magnetic Iron Sand of the North Shore of the St. Lawrence. By J. Obalski. J. C. M. I., vol. 4, p. 91. 6 pages. I.

The Exploration of the Ontario Iron Ranges. By A. B. Willmott. J.C.M.I., vol. 7, p. 257. 14 pages. I.

Notes on the Production and Uses of Canadian Chrome. By W. H. Edwards. J. C. M. I., vol. 9, p. 35. 4¼ pages.

The Iron Ore Deposits of Western Ontario and Their Genesis. By F. Hille. J. C. M. I., vol. 5, p. 49. 13 pages. I.

The Iron Ore Fields of Ontario. By W. G. Miller. J. C. M. I., vol. 4, p. 265. 18 pages. I.

Notes on the Production and Uses of Canadian Chrome Ore. By W. H. Edwards. E. & M. J., vol. 82, p. 584. 1 column.

Chromic Iron in Quebec, Canada. By J. T. Donald. E. & M. J., vol. 58, p. 224. ½ column.

An Ontario Iron Ore Deposit: The Hutton Iron Range, Ontario. E. & M. J., vol. 75, p. 183. 1⅙ columns.

Types of Iron Bearing Rock in Ontario. E. & M. J., vol. 75, p. 294. 2 columns.

Coal and Iron in Cape Breton. E. & M. J., vol. 72, p. 667. 1¾ columns.

A Notable Canadian Deposit of Chromite. By J. T. Donald. J. C. M. I., vol. 2, p. 25. 3 pages. I.

Canadian Lake Iron Ores. By J. G. Donald. E. & M. J., vol. 57, p. 250. 1 column.

Notes on Some Western Coals (Ontario). By J. C. Gwillim. J. C. M. I., vol. 7, p. 422. 3 pages.

Coal in Alberta, Canada. By P. Thompson. E. & M. J., vol. 82, p. 924. 1 column.

The Coal Fields of Canada. By W. H. Merritt. Coll. Engr., vol. 13, p. 232, 3 columns, I.; p. 250, 2⅔ columns; p. 278, 2⅔ columns, I.

The Coal Fields of Canada: Districts and Methods of Working. By W. H. Merritt. Coll. Engr. & Met. Miner, vol. 14, p. 7, 3½ columns, I.; p. 40, 2⅓ columns; p. 64, 4⅓ columns, I.; p. 90, 4 columns, I.; p. 121, 2½ columns; p. 146, 3⅔ columns, I.; p. 173, 7½ columns, I.; p. 201, 4½ columns, I.; p. 229, 3½ columns.

The Distribution and Extent of the Coal Fields of British America. E. & M. J., vol. 9, p. 339. 2 columns.

The Blairmore-Frank Coal Field, Alberta, Canada. By E. Jacobs. M. & M., vol. 25, p. 359. 5½ colums. I.

The Coal-Fields of New Brunswick, Canada. By H. S. Poole. T. I. M. E., vol. 23, p. 40. 8 pages. I.

The Canadian Coal Fields. E. & M. J., vol. 57, p. 345. 1 column.

Coal Discovery in Ontario (Sudbury District). By A. McCharles. E. & M. J., vol. 62, p. 52, ⅓ column; and p. 512, ⅔ column.

The Vancouver Coal Mines. By A. E. Smith. M. & M., July, 1901, p. 539.

A New Area of Copper-Bearing Rocks in the Eastern Townships of the Province of Quebec. By J. A. Dresser. J. C. M. I., vol. 7, p. 397. 4½ pages. I.

On the Copper-Bearing Volcanic Rocks in the Eastern Townships of the Province of Quebec. By J. A. Dresser. J. C. M. I., vol. 5, p. 81. 5 pages.

The Copper Deposits of Vancouver Island. By W. H. Brewer. T. A. I. M. E., vol. 29, p. 483.

Yukon Territory: Lewis River Copper District. By W. M. Brewer. E. & M. J., vol. 69, p. 376. 1 column. I.

The Occurrence of Platinum in Canada. By J. F. Donald. E. & M. J., vol. 55, p. 81. ¾ column.

Mercury in Ores from the North Shore of Lake Superior. By W. M. Courtis. E. & M. J., vol. 27, p. 217. 1 column.

Notes on the Occurrence of Quicksilver in Canada. By A. J. Colquhoun. J. C. M. I., vol. 2, p. 13. 4 pages. I.

The Occurrence of Cinnabar in British Columbia, Canada. By W. H. Merritt. T. F. I. M. E., vol. 13, p. 593. 3 pages. I.

The Apatite Deposits of Canada. By T. S. Hunt. T. A. I. M. E., vol. 12, p. 459.

Note on the Apatite Region of Canada. By T. S. Hunt. T. A. I. M. E., vol. 14, p. 495.

On the Mode of Occurrence of Apatite in Canada. E. & M. J., vol. 39, p. 316. 3 columns.

Arsenic in Canada. M. & M., Apr., 1902, p. 407. 2 columns.

The Phosphate Mines of Canada. By H. B. Small. T. A. I. M. E., vol. 21, pp. 774, 1000.

Mining Asbestos in Canada. By W. Mollman. Min. & Sci. Press, vol. 85, p. 46. 1 column.

Asbestos Mining in Canada. By F. Cirkel. Min. Mag., vol. 13, p. 53. 8 columns.

Asbestos in Canada. E. & M. J., vol. 80, p. 924. 4 columns. I.

Asbestos and Its Production in Canada. By W. Mollman. J. C. M. I., vol. 5, p. 343. 8 pages. I.

The Danville Asbestos Mine, Canada. By M. Penhale. E. & M. J., vol. 60, p. 416. ⅔ column.

Developing Ontario Corundum Deposits. E. & M. J., vol. 68, p. 486. 1 column.

The Corundum Deposits of Ontario. By T. W. Gibson. E. & M. J., vol. 67, p. 500. 1½ columns.

The Corundum Deposits of Eastern Ontario. E. & M. J., vol. 65, p. 548. ⅔ column.

Corundum in Ontario. E. & M. J., vol. 66, p. 303. 1½ columns.

Corundum Deposits of Canada. M. & M., Dec., 1901, p. 202.

ON THE OCCURRENCE AND DEVELOPMENT OF CORUNDUM IN ONTARIO. By M. B. Baker. J. C. M. I., vol. 7, p. 410. 12 pages.

CORUNDUM IN ONTARIO, CANADA, ETC. By D. G. Kerr. T. I. M. E., vol. 30, p. 143. 15 pages. I.

THE MINING, CONCENTRATION AND ANALYSIS OF CORUNDUM IN ONTARIO, CANADA. By W. L. Goodwin. T. I. M. E., vol. 23, p. 446. 11 pages. I.

CANADIAN GRAPHITE. By H. P. H. Brumell. E. & M. J., vol. 75, p. 485. 1½ columns.

A NOTE ON VARIETIES OF SERPENTINE IN SOUTHEASTERN QUEBEC. By J. A. Dresser. J. C. M. I., vol. 8, p. 267. 5½ pages.

PEAT DEVELOPMENT IN ONTARIO. M. & M., Dec., 1902, p. 195. ½ column.

ON A MINERAL CONTAINING "RADIUM" IN THE PROVINCE OF QUEBEC. By J. Obalski. J. C. M. I., vol. 7, p. 245. 11 pages. I.

THE MANHATTAN SALT MINE AT GODERICH, CANADA. By O. J. Heinrich. T. A. I. M. E., vol. 6, p. 125.

THE MINERALS OF ONTARIO AND THEIR DEVELOPMENT. By W. H. Merritt. T. A. I. M. E., vol. 17, p. 293.

MINING IN ONTARIO. E. & M. J., vol. 65, p. 493. 1½ columns.

THE MIÇHIPICOTON MINING DISTRICT IN ONTARIO. By W. B. Cue. E. & M. J., vol. 64, p. 758. 2 columns.

A NEW MINING DISTRICT IN QUEBEC. By J. Obalski. E. & M. J., Mar. 16, 1905, p. 513. J. C. M. I., Mar., 1905.

MINING INDUSTRIES OF EASTERN QUEBEC. By R. W. Ells. T. A. I. M. E. vol. 18, p. 316.

THE ORE DEPOSITS OF THE ONTARIO MINERAL BELT. By W. P. Jenney. Min. & Sci. Press, vol. 92, p. 108. 5 columns. I.

ON THE PROBABILITY OF FINDING MINES IN NORTHERN QUEBEC. By J. Obalski. J. C. M. I., vol. 9, p. 218. 2 pages +

THE FISSURE SYSTEM OF THE ONTARIO MINERAL BELT. By W. P. Jenney. Min. & Sci. Press, vol. 92, p. 24. 3½ columns. I.

THE MINES OF ONTARIO. By W. E. H. Carter. J. C. M. I., vol. 7, p. 114. 54 pages. I.

UNDEVELOPED MINERAL RESOURCES OF ONTARIO. By W. G. Miller. J. C. M. I., vol. 7, p. 377. 21 pages.

CANADIAN METALLURGICAL PRODUCTS FOR THE FAR EAST. By F. Hobart. J. C. M. I., vol. 8, p. 158. 4 pages.

A NEW MINING DISTRICT IN THE NORTH OF QUEBEC. By J. Obalski. J. C. M. I., vol. 8, p. 363. 6 pages.

MINING IN WESTERN CANADA. By H. M. Lamb. M. & M., vol. 28, p. 241. 5½ columns. I.

NEW DISCOVERIES IN NORTHERN QUEBEC. By J. Obalski. E. & M. J., vol. 83, p. 559. 2¼ columns.

THE CHIBOGOMO REGION IN QUEBEC. E. & M. J., vol. 82, p. 148. 2½ columns.

POLYBASITE FOUND AT COBALT. By W. E. Hidden. E. & M. J., vol. 82, p. 315. ½ column.

CHETICAMP, CAPE BRETON. By F. P. Rounan. E. & M. J., vol. 77, p. 283. 4½ columns. I.

THE ALSEK MINING DISTRICT, CANADA. By W. M. Brook. E. & M. J., vol. 77, p. 766. 3 columns. I.

GOLD IN SASKATCHEWAN, ONTARIO. E. & M. J., vol. 77, p. 127. 1½ columns.

THE FUTURE OF MINING IN ONTARIO. E. & M. J., vol. 74, p. 582. 2 columns.

EASTERN ONTARIO: A Region of Varied Mining Industries. By W. G. Miller. J. C. M. I., vol. 5, p. 233. 25 pages. I.

SOME POSSIBILITIES OF MINING IN CANADA. By F. Hobart. J. C. M. I., vol. 6, p. 313. 4 pages.

Mining Possibilities of the Canadian Rockies. By B. MacDonald. J. C. M. I., vol. 6, p. 337. 18 pages. I.

Mining in Quebec in 1897. By J. Obalski. T. F. C. M. I., vol. 3, p. 145. 6 pages.

Mining in Quebec Province in 1898. By J. Obalski. J. C. M. I., vol. 2, p. 62. 4 pages.

Ontario as a Mining Country. By A. P. Coleman. T. F. C. M. I., vol. 1, p. 1. 11 pages.

Economic Minerals of the Province of Ontario, Canada. By Wm. H. Merritt. T. F. I. M. E., vol. 10, p. 288. 28 pages. I.

The Ainsworth Mining District, British Columbia. E. & M. J., vol. 57, p. 609. ½ column. I.

Mines of Eastern Ontario. By C. De Kalb. M. & M., Nov., 1901, p. 166.

Notes on the Northern Region of the Vermilion Lake District in British America. By T. B. Comstock. T. A. I. M. M. E., vol. 16, p. 109.

For other information see British Columbia.

The Carolinas

Gold in North Carolina. Am. Jour. Min., vol. 1, p. 313. 2 columns.

The Reed (Gold) Mine, North Carolina. E. & M. J., vol. 80, p. 877. 1 column.

The Burns Gold Mine, North Carolina. By H. M. Chance. E. & M. J., vol. 61, p. 132. ⅞ column.

The Gold Gravels of North Carolina. By W. C. Kerr. T. A. I. M. E., vol. 8, p. 462. 5 pages.

The Gold Mines of North Carolina. By A. Mezer. E. & M. J., vol. 52, p. 480. 1 column.

Mining in Eastern North Carolina. E. & M. J., vol. 77, p. 167. 2 columns.

Notes on the Carolina Gold Deposits. By W. H. Weed. E. & M. J., vol. 72, p. 494. 1¼ columns.

Report of Explorations on the Gold Fields of Virginia and North Carolina. By H. Credner. Am. Jour. Min., vol. 7, p. 9, 1½ columns; p. 26, 1⅔ columns; p. 42, 1½ columns; p. 58, 1¼ columns; p. 72, 1⅓ columns; p. 105, 1⅔ columns.

North Carolina Gold Region. Min. & Sci. Press, vol. 39, p. 246. ⅞ column.

Gold and Its Associated Minerals at King's Mountain, North Carolina. By W. B. Devereux. E. & M. J., vol. 31, p. 39. 1½ columns. I.

Report of Explorations on the Gold Fields of Virginia and North Carolina. By H. Credner. E. & M. J., vol. 6, p. 377, 1¼ columns; p. 393, 1½ columns; p. 406, 1½ columns; p. 361.

A Southern Gold Mine: King's Mountain, North Carolina. E. & M. J., vol. 54, p. 34. 1¼ columns. I.

On Some Peculiarities in the Occurrence of Gold in North Carolina. By W. C. Kerr. T. A. I. M. E., vol. 10, p. 475.

Distribution of Gold in the Haile Mine, South Carolina. Min. & Sci. Press, vol. 93, p. 657. ¾ column.

The Haile Gold Mines of South Carolina. By A. Lakes. M. & M., vol. 21, p. 55, 4 columns, I.; and p. 108, 2¾ columns.

Copper in North Carolina. E. & M. J., vol. 83, p. 583. 2 columns.

The Ore Knob Copper Mine and Reduction Works, Ashe County, North Carolina. By E. E. Alcott. T. A. I. M. E., vol. 3, p. 391.

The Ore Knob Copper Mine and Some Related Deposits. By T. S. Hunt. T. A. I. M. E., vol. 2, p. 123.

The Union Copper Mines, Gold Hill, North Carolina. By A. R. Ledoux. E. & M. J., vol. 69, p. 167. 6½ columns. I.

Copper Deposits of North Carolina. By W. B. Phillips. E. & M. J., vol. 67, p. 382. American Manufacturer, Mar. 17, 1899. ⅔ column.

The Carolina Tin Belt. By L. C. Graton. U. S. G. S., Bull. No. 260, pp. 188–195. 1905.

Occurrence of Tin Ore in North Carolina and Virginia. By T. Ulke. In Mineral Resources U. S. for 1893, pp. 178–182. 1894.

Tin in the Carolinas. E. & M. J., vol. 82, p. 823. ¼ column.

Tin in North Carolina. E. & M. J., vol. 48, p. 521. 2 columns.

Magnetic Iron Ore in Granville County, North Carolina. By H. B. C. Nitze. E. & M. J., vol. 53, p. 447. ½ column.

The Occurrence, Origin and Chemical Composition of Chromite. By J. H. Pratt. T. A. I. M. E., vol. 29, p. 17.

The Magnetic Iron-Ores of Ashe County, North Carolina. By H. B. C. Nitze. T. A. I. M. E., vol. 21, p. 260.

North Carolina Iron Ores and Magnetic Concentration. By W. B. Phillips. E. & M. J., vol. 57, p. 490. 1½ columns.

Iron-Ore Deposits of the Cranberry District, North Carolina-Tennessee. By A. Keith. U. S. G. S., Bull. No. 213, pp. 243–246. 1903.

Notes on Some of the Magnetites of Southwestern Virginia and the Contiguous Territory of North Carolina. By H. B. C. Nitze. T. A. I. M. E., vol. 20, p. 174.

The Limonite Ores of Cherokee County, North Carolina. By H. B. C. Nitze. E. & M. J., vol. 63, p. 330. 3 columns.

The Nickel Deposits of North Carolina. By S. H. Emmens. E. & M. J., vol. 53, p. 476. 2½ columns.

The Deep River Coalfield of North Carolina and the Egypt Coal Company's Plant. By E. G. Tuttle. E. & M. J., vol. 58, p. 441. 1¼ columns.

Coals in Western North Carolina. By W. B. Phillips. E. & M. J., vol. 60, p. 613. 2½ columns.

The Deep River Coal-Field of North Carolina. By H. M. Chance. T. A. I. M. E., vol. 13, p. 517.

Notes on the Dan River Coal Basin in North Carolina. E. & M. J., vol. 51, p. 448. 1 column.

Mining Phosphate Rock in South Carolina. E. & M. J., vol. 32, p. 285. 1½ columns.

The Phosphate Deposits of South Carolina. By O. A. Moses. U. S. G. S., Mineral Resources for 1882, pp. 504–521. 1883.

Mining, Washing and Calcining South Carolina Land Phosphate. By W. de L. Benedict. E. & M. J., vol. 53, p. 349. 1½ columns.

The Phosphate Mines of South Carolina: A Description of the Peculiar Deposits and the Methods of Mining. By G. Leighton. M. & M., vol. 18, p. 200. 4 columns.

Mica Deposits of Western North Carolina. By D. B. Sterrett. U. S. G. S., Bull. No. 315, pp. 400–422. 1907.

Mica Mining in North Carolina. By W. B. Phillips. E. & M. J., vol. 45, p. 286, 1 column; p. 306, 1½ columns; p. 322, 1 column; p. 382, 1½ columns; p. 398, 1½ columns; p. 418, 1 column; p. 436, ¾ column.

The Mica Veins of North Carolina. By W. C. Kerr. T. A. I. M. E., vol. 8, p. 457.

Mica Mining in North Carolina. By W. B. Phillips. U. S. G. S., Mineral Resources for 1887, pp. 661–671. 1888.

North Carolina Monazite. By H. B. C. Nitze. T. A. I. M. E., vol. 25, p. 40.

The Monazite Districts of North and South Carolina. By C. A. Mezger. T. A. I. M. E., vol. 25, pp. 822, 1036.

The Discovery of Emeralds and Hiddenite in North Carolina. By W. E. Hidden. U. S. G. S., Mineral Resources for 1882, pp. 500–503. 1883.

Talc Deposits of North Carolina. By A. Keith. U. S. G. S., Bull. No. 213, pp. 433–438. 1903.

Corundum Mining in North Carolina. By A. M. Stone. E. & M. J., vol. 65, p. 490. 1 column.

Mining in North Carolina. By H. E. Colton. E. & M. J., vol. 11, p. 323. 1⅔ columns.

Central America, Colombia and the Guianas

Mining in Central America: The Javali Mine. Am. Jour. Min., vol. 4. p. 113. 1 column.

Mining in Central America. Am. Jour. Min., vol. 4, p. 353. 2 columns.

British Guiana Gold-Fields. By E. P. Wood. T. F. I. M. E., vol. 8, p. 195. 6 pages.

Gold Mining in British Guiana. By J. H. Powell. T. I. M. & M., vol. 8, p. 354.

Gold in Dutch Guiana. E. & M. J., Mar. 2, 1905, p. 416. Note.

The Gold Deposits of Misiones, Venezuelan Guiana. By M. N. Paquet. Min. Mag., Jan., 1905, p. 87. 1 column.

The Gold Industry of British Guiana. By D. E. Headley. E. & M. J., vol. 62, p. 176. 3⅔ columns.

Future Gold Fields, Guiana. By C. E. Clarke. E. & M. J., vol. 62, p. 439. 3 columns.

Gold Mining in French Guiana. By D. E. Headley. E. & M. J., Jan. 19, 1905, p. 131. 4¾ columns. I.

Dutch Guiana Gold Fields. Min. & Sci. Press, vol. 83, p. 154. 1 column.

The Gold Fields of Guiana. By H. Tweddle. E. & M. J., vol. 66, p. 97. 9½ columns. I.

Quartz and Placer Deposits in British Guiana. By C. E. Clarke. E. & M. J., vol. 62, p. 29. 2⅔ columns.

Gold Mining in French Guiana. By E. D. Levat. E. & M. J., vol. 65, pp. 39, 69. 2 columns.

Gold in the Guianas. By H. G. Granger. T. A. I. M. E., vol. 26, p. 516.

Gold in Colombia. By J. De La Pasada. E. & M. J., vol. 84, p. 827. 3½ columns. I.

Quartz Mining in Colombia. By F. F. Sharpless. E. & M. J., vol. 82, p. 485. 7 columns. I.

Gold Hunting in Colombia. Min. & Sci. Press, vol. 25, p. 402. ⅔ column.

Gold Deposits of Colombia and Ecuador. By T. Waln-Morgan Draper. E. & M. J., vol. 58, p. 532. 1¾ columns.

Gravel Mining in Colombia. Min. & Sci. Press, vol. 55, p. 275. 1½ columns.

The Gold Fields of the Porce River, Colombia. Min. & Sci. Press, vol. 74, p. 257. 3½ columns.

The Present Condition of the Gold Mining Industry in Colombia. By E. Sauin. Min. Mag., vol. 13, p. 117. 12 columns.

The Cristo, Talento, and Other Mines near Honda, United States of Colombia. E. & M. J., vol. 44, p. 146. ⅔ column.

Placer Mining in Antioquia, Colombia. By F. F. Sharpless. E. & M. J., vol. 79, p. 994. 4 columns.

Gold Mining in Colombia, South America. By I. Davidov. E. & M. J., vol. 73, p. 139. ¾ column.

Placer Mining in Colombia. E. & M. J., vol. 77, p. 963. ⅔ column.

Explorations in the Gold Fields of Western Colombia. By F. C. Nicholas. Sch. Mines Quart., vol. 18, p. 259. 7 pages.

The Analogy Between the Gold "Cintas" of Colombia and the Auriferous Gravels of California. By E. Gledhill. T. I. M. E., vol. 20, p. 391. 10 pages.

The Gold-Bearing Veins of the Organos District, Tolima, United States of Colombia. By E. Halse. T. F. I. M. E., vol. 5, p. 233. 19 pages.

Gold and Platinum at Novita, Colombia. By R. B. White. E. & M. J., vol. 63, p. 189. ⅔ column. I.

An Outline of the Gold Fields in Colombia, South America. By F. C. Nicholas. E. & M. J., vol. 65, p. 520. 2½ columns.

The Gold Mines of the Remedios District, Colombia. By F. Owen. T. I. M. & M., vol. 4, p. 3.

Diamond-Bearing Deposits in British Guiana. E. & M. J., vol. 71, p. 55. ½ column.

Diamond Fields of British Guiana. E. & M. J., vol. 73, p. 375. ⅔ column.

A Visit to the Emerald Mines of Muzo, United States of Colombia. By T. B. Nichols. P. E. Soc. W. Pa., vol. 10, p. 84. 7 pages.

Colombia Emerald Mines. E. & M. J., vol. 80, p. 293. 1⅓ columns.

Emerald Mines in Colombia: Government Mines; and Regulations Governing Leasing. E. & M. J., vol. 75, p. 931. ½ column.

The Emerald Mines of Muzo, Colombia. E. & M. J., vol. 57, p. 442. ½ column.

The Manganese-Deposits of the Department of Panama, Republic of Colombia. By E. J. Chibas. T. A. I. M. E., vol. 27, p. 63.

The Manganese Industry of the Department of Panama, Republic of Colombia. By E. G. Williams. T. A. I. M. E., vol. 33, p. 197.

Asphalt Mines in Colombia. E. & M. J., vol. 77, p. 607. ¼ column.

Note on Limonite Pseudomorphs from Dutch Guiana. By R. W. Raymond. T. A. I. M. E., vol. 28, p. 235.

Note on the Occurrence of Mercury at Quindiú, Tolima, United States of Colombia. By E. Halse. T. F. I. M. E., vol. 6, p. 59. 8 pages. I.

Coal in Colombia. E. & M. J., vol. 60, p. 609. 1 column.

Mining in Colombia. By H. G. Granger. E. & M. J., vol. 82, p. 194. 4½ columns. I.

Mineral Resources of Cauca of Colombia. E. & M. J., vol. 61, p. 179. 1 column.

Choco Mining District, Colombia. E. & M. J., vol. 62, p. 3. ⅔ column.

Notes on the Mines of the Frontino and Bolivia Company, Colombia, South America. By S. Cragoe. T. A. I. M. E., vol. 28, p. 591.

Mining Districts of Colombia. By H. G. Granger and Edward R. Treville. T. A. I. M. E., vol. 28, pp. 33, 591.

The Cauca Mining District, United States of Colombia, South America. By J. H. Hammond. T. A. I. M. E., vol. 13, p. 133.

La Plata del Libano Mines, Department of Tolima, Republic of Colombia, South America. By W. I. Pierce. T. A. I. M. E., vol. 16, p. 301.

Mining in Colombia. E. & M. J., Jan. 26, 1901, p. 113. 1 column.

Notes on the Republic of Colombia. By J. C. F. Randolph. T. A. I. M. E., vol. 18, p. 205.

Mining in the Guianas. By O. G. Schultz. Min. Mag., vol. 13, p. 570. 4 columns. I.

Notes on Dutch Guiana. By E. H. Teats. E. & M. J., vol. 81, p. 559. 10½ columns. Map.

Chile

Notes on the Gold District of Canutillo, Chile, South America. By S. H. Loram. T. A. I. M. E., vol. 35, p. 696. 14 pages. I.

The Copper Sulphate Deposits at Capaquire, Chile. By E. Walker. E. & M. J., vol. 75, p. 710. 2½ columns. I.

A Curious Copper Deposit in Chile. By J. A. W. Murdoch. E. & M. J., vol. 71, p. 587. 2 columns. I.

Copper Mining in Chile. E. & M. J., vol. 82, p. 972. 1¾ columns.

The Braden Copper Mines in Chile. By W. Braden. E. & M. J., vol. 84, p. 1059. 11 columns. I.

The Mineral Fuels of Chile. E. & M. J., vol. 59, p. 609. 1½ columns.

Coal-Fields of Chile, South America. By R. Gascoyne. T. I. M. E., vol. 15, p. 234, 10 pages; and p. 244, 6 pages.

The Saltpetre-Industry of Chile. By Semper. T. I. M. E., vol. 27, p. 737. 2 pages.

Mining in Chile. E. & M. J., vol. 62, p. 367. ¾ column.

China

Californians in the China Gold Mines. Min. & Sci. Press, vol. 17, p. 205. 1 column.

Gold in China and Japan. Min. & Sci. Press, vol. 18, p. 200. 1 column.

Gold Mines Near Port Arthur, China. E. & M. J., vol. 73, p. 306. ⅔ column.

The Gold Deposits of Manchuria. E. & M. J., vol. 64, p. 455. 2⅔ columns. I.

Silver and Gold Mining in China. E. & M. J., vol. 46, p. 194. 1 column.

Gold Mining at Wei-Hai-Wei, China. By W. D. Verschoyle. E. & M. J., vol. 82, p. 919. 8⅔ columns. I.

Quicksilver in China. E. & M. J., vol. 84, p. 152. 1 column.

The Copper Mines of Chili. By J. Douglas. E. & M. J., vol. 13, p. 330, 4¼ columns; p. 340, 2¾ columns; p. 363, 2 columns; p. 387, 3 columns; p. 406, 3 columns.

Matiwon Tin Mines. E. & M. J., vol. 48, p. 182. 2 columns. I.

The Nitrate Deposits and Trade of Chili. E. & M. J., vol. 50, p. 164. 2½ columns.

The Hsian Hua Coal Fields, China. By N. F. Drake. Min. Mag., vol. 13, p. 295. 16 columns. I.

The Coal Fields of China. By L. Ramakers. M. & M., vol. 26, p. 417. 2 columns.

The Kaiping Coal Mines and Coal Fields, Chili Province, North China. By H. C. Hoover. T. I. M. & M., vol. 10, p. 419. 10 pages. I. Map.

Coal in Manchuria. E. & M. J., vol. 80, p. 780. ½ column.

Coal Deposits of Japan, Chili, and Manchuria. Min. Mag., vol. 11, p. 472. 11 columns. I.

Coal Mining in China. E. & M. J., vol. 57, p. 345, ⅔ column; and vol. 77, p. 428, 1⅔ columns.

The Coal-Fields Around Tsê, Shansi, China. By N. F. Drake. T. A. I. M. E., vol. 30, p. 261.

The Coal-Fields of Northeastern China. By N. F. Drake. T. A. I. M. E., vol. 31, pp. 492, 1008.

The Hongay-Haton Coal Field in Tonkin. By F. Beard. E. & M. J., vol. 63, p. 572. 1 column.

The Coal and Iron Deposits of Eastern China. By A. Kurita. E. & M. J., vol. 65, p. 491. 2½ columns. Map.

Coal and Iron in Eastern China. By C. D. Jameson. E. & M. J., vol. 66, p. 365. 6 columns. I.

Coal-Fields of Indo-China. By M. G. H. Monod. Min. Mag., Jan., 1905, p. 76. 2 columns.

Coal Mining in China. E. & M. J., vol. 46, p. 394. ⅔ column.

The Salt Wells of Szchuan, China. By W. M. Upcraft. E. & M. J., vol. 69, p. 525. 2½ columns. I.

Notes on Brine and Oil Wells in Western China. By J. V. B. Murdoch. T. I. M. & M., vol. 9, p. 362. 3 pages. I.

Mining in China. By J. H. Curle. E. & M. J., vol. 82, p. 346. 3 columns.

Mineral Resources of Northern China. By A. J. G. Denney. Min. & Sci. Press, vol. 89, p. 392. 2½ columns.

The Mineral Wealth of China. By F. R. Wardle. Min. & Sci. Press, vol. 85, p. 238, 2 columns; and p. 254, 1½ columns.

Small and Chinese Mines. Min. & Sci. Press, vol. 67, p. 259. 1 column.

Chinese Mines and Miners. By A. Reid. T. I. M. E., vol. 23, p. 26. 10 pages. I.

Mineral Wealth of China. E. & M. J., vol. 46, p. 458. 1 column.

A Visit to a Mining District in China. By G. J. Morrison. E. & M. J., vol. 27, p. 295, 1 column; and p. 314, 1¼ columns.

Metal Mining in the Provinces of Chili and Shantung, China. By H. C. Hoover. T. I. M. & M., vol. 8, p. 324.

Mining Notes from China — 1902. E. & M. J., vol. 73, p. 893. 1 column.

Kwai Yuen Mines. E. & M. J., vol. 79, p. 1186. 4 columns. I.

Mining in Perak. By Frank Owen. T. I. M. & M., vol. 6, p. 51.

Chili, Her Mines and Miners. E. & M. J., vol. 38, p. 35. 1¾ columns.

Mining Enterprise in China: Tamchow Silver Mine. E. & M. J., vol. 47, p. 86. 1¾ columns.

The Tien Pan Shan Mines, China. By J. C. Shengle. E. & M. J., vol. 79, p. 1034. 4 columns. I.

Mining in China. E. & M. J., vol. 76, p. 651, 1⅔ columns; and p. 689, 1⅔ columns.

Mineral Wealth of China. E. & M. J., vol. 49, p. 540, ⅔ column; and vol. 77, p. 432, 3 columns.

Mining in Manchuria. By W. A. Moller. T. I. M. E., vol. 25, p. 139. 7 pages.

Mining in Russian China. M. & M., May, 1903, p. 449.

Notes on the Progress of Mining in China. By E. Clark. T. A. I. M. E., vol. 19, p. 571.

Present Situation of Mining Industry in China. By H. C. Hoover. E. & M. J., vol. 69, p. 619. 2½ columns.

The Mineral Resources of China. E. & M. J., vol. 64, p. 305. 1½ columns.

Colorado

The Arizona Diamond Fields, Colorado. Min. & Sci. Press, vol. 25, p. 316. 1⅓ columns.

The Diamond Swindle. Min. & Sci. Press, vol. 25, p. 344. 2¼ columns.

Geology and Mining Industry of Leadville, Colorado; with Atlas. By S. F. Emmons. U. S. G. S., Monograph XII. 870 pages. 1886.

Geology of the Rico Mountains, Colorado. By Whitman Cross and A. C. Spencer. U. S. G. S., 21st Ann. Rept., pt. 2, pp. 15–165. 1900.

General Geology of the Cripple Creek District, Colorado. By Whitman Cross. U. S. G. S., 16th Ann. Rept., pt. 2, pp. 13–109. 1895.

Geology of the Aspen Mining District, Colorado; with Atlas. U. S. G. S., Monograph XXX. 260 pages. 1898.

The Geological Resurvey of the Cripple Creek District. By Waldemar Lindgren and F. L. Ransome. U. S. G. S., Bull. No. 254. 36 pages. 1905.

Geology and Gold Deposits of the Cripple Creek District, Colorado. By Waldemar Lindgren and F. L. Ransome. U. S. G. S., Prof. Paper No. 54. 516 pages. 1906.

Economic Geology of the Georgetown Quadrangle (together with the Empire District), Colorado, with General Geology. By S. H. Ball. U. S. G. S., Prof. Paper No. 63.

Mining Geology of the Cripple Creek District, Colorado. By R. A. F. Penrose, Jr. U. S. G. S., 16th Ann. Rept., pt. 2, pp. 111–209. 1895.

Report on the Economic Geology of the Silverton Quadrangle, Colorado. By F. L. Ransome. U. S. G. S., Bull. No. 182. 265 pages. 1901.

Preliminary Report on the Mining Industries of the Telluride Quadrangle, Colorado. By C. W. Purington. U. S. G. S., 18th Ann. Rept., pt. 3, pp. 745–850. 1898.

Ore Deposits of Bear Creek, near Silverton, Colorado. U. S. G. S., Bull. No. 285, pp. 25–27. 1906.

Ore Deposits of the Ouray District, Colorado. U. S. G. S., Bull. No. 260, pp. 50–77. 1905.

Ore Deposits in the Vicinity of Lake City, Colorado. U. S. G. S., Bull. No. 260, pp. 78–84. 1905.

Preliminary Report on the Ore Deposits of the Georgetown Mining District, Colorado. By J. E. Spurr and G. H. Garrey. U. S. G. S., Bull. No. 260, pp. 99–120. 1905.

The Ore Deposits of the Rico Mountains, Colorado. U. S. G. S., 22nd Ann. Rept., pt. 2, pp. 229–398. 1902.

The Mines of Custer County, Colorado. U. S. G. S., 17th Ann. Rept., pt. 2, pp. 411–472. 1896.

Downtown District of Leadville, Colorado. By S. F. Emmons and J. D. Irving. U. S. G. S., Bull. No. 320. 72 pages. 1907.

The Neglected Mine and Near-by Properties, Colorado. By W. H. Emmons. U. S. G. S., Bull. No. 260, pp. 121–127. 1905.

The Hahns Peak Gold Field. By H. S. Gale. U. S. G. S., Bull. No. 285, pp. 28–34. 1906.

The Gold Coin Mine. By A. Lakes. M. & M., vol. 21, p. 291. 4⅔ columns. I.

The Occurrence and Treatment of Certain Gold-Ores of Park County, Colorado. By B. Stadtler. T. A. I. M. E., vol. 26, p. 848. 4½ pages. I.

The Lamartine Mine, Idaho Springs, Colorado: Gold and Silver; Discovery, etc. By A. Lakes. M. & M., vol. 20, p. 384. 5½ columns. I.

Peculiar Mines and Ore-Deposits: The Contact Deposits of the La Plata Mountains. By A. Lakes. M. & M., vol. 21, p. 224. 3 columns. I.

Notes on the Vein-Formation and Mining of Gilpin County, Colorado. By F. Rickard. T. A. I. M. E., vol. 28, p. 108.
E. & M. J., vol. 75, p. 589. ⅔ column.

The Geology and Vein-Structure of Southwestern Colorado. By T. B. Comstock. T. A. I. M. E., vol. 15, p. 218.
E. & M. J., vol. 75, p. 589. ⅔ column.

On the Occurrence of Lustrous Coal with Native Silver in a Vein of Porphyry in Ouray County, Colorado. By G. A. Keinig. T. A. I. M. E., vol. 9, p. 650.

The Veins of Boulder County, Colorado. By R. M. Bogg. E. & M. J., vol. 75, p. 334. 1½ columns.

Ore-Shoots of Cripple Creek: Their Appearance, Nature and Shape, and How They Differ from Veins. By A. Lakes. Coll. Engr. & Met. Miner, vol. 17, p. 481. 4 columns. I.

Rosita and Silver Cliff: The Strange Manner of Occurrence of the Ore

Bodies in the Bull Domingo and Bassick Mines. By A. Lakes. M. & M., vol. 18, p. 344, 5¾ columns, I.; and p. 368, 1¾ columns.

Glacial Placer Beds on the Flanks of the Mosquito Range, South Park, Colorado. By A. Lakes. M. & M., May, 1902, p. 469. ¾ column.

Basaltic Zones as Guides to Ore-Deposits in the Cripple Creek District. By E. A. Stevens. T. A. I. M. E., vol. 33, p. 686.

The Lodes of Cripple Creek. By T. A. Rickard. T. A. I. M. E., vol. 33, p. 578.

Redcliff Ore Deposits. By A. Lakes. M. & M., Jan., 1903, p. 252. 2 columns.

The Buckhorn Mine. By A. Lakes. M. & M., Feb., 1902, p. 322. 2¾ columns.

The Telluride-Ores of Cripple Creek and Kalgoorlie. By T. A. Rickard. T. A. I. M. E., vol. 30, p. 708.

A Peculiar Clastic Dike near Ouray, Colorado, and its Associated Deposit of Silver Ore. By F. L. Ransome. T. A. I. M. E., vol. 30, p. 227.

"Cap" and "Blanket Deposits," Gilpin County, Colorado. T. A. I. M. E., vol. 28, pp. 122 and 123.

The Enterprise Mine, Rico, Colorado. By T. A. Rickard. T. A. I. M. E., vol. 26, p. 906.

Secondary Enrichment at Cripple Creek. E. & M. J., vol. 75, p. 111, 3½ columns; p. 553, 2 columns, I.; p. 702, 1¼ columns.

Ore-Chutes, Iron Hill, Colorado. T. A. I. M. E., vol. 18, p. 156.

Interesting Vein-Phenomena in Boulder County, Colorado. By J. B. Farish. T. A. I. M. E., vol. 19, p. 547.

The Bedded Ore-Deposits of Red Mountain Mining District, Ouray County, Colorado. By G. E. Kedzie. T. A. I. M. E., vol. 16, p. 570.

Ore-Deposits of Red Mountain, Ouray County, Colorado. By T. E. Schwarz. T. A. I. M. E., vol. 18, p. 139.

The Whopper Lode, Gunnison County, Colorado. By P. Frazer. T. A. I. M. E., vol. 9, p. 249.

The Whale Lode of Park County, Colorado Territory. By J. L. Jernegan. T. A. I. M. E., vol. 3, p. 352.

Some Mines of Rosita and Silver Cliff, Colorado. By S. F. Emmons. T. A. I. M. E., vol. 26, p. 773.

The Ore-Shoots of Cripple Creek. By E. Skewes. T. A. I. M. E., vol. 26, p. 553.

Cripple Creek Phonolite Dikes, Raven Hill. By E. Skewes. E. & M. J., vol. 59, p. 583. 2 columns.

The Occurrence of Gold in the Ores of the Cripple Creek District. By R. Pearce. E. & M. J., vol. 57, p. 271. 1¼ columns.

The Yankee Girl Orebody. By T. E. Schwarz. E. & M. J., vol. 79, p. 800. 5⅓ columns. I.

On the Peculiar Features of the Bassick Mine. By L. R. Grabill. T. A. I. M. E., vol. 11, p. 110.

The Relative Distribution of Gold and Silver Values in the Ores of Gilpin County, Colorado. By G. E. Collins. T. I. M. & M., vol. 12, p. 480. 20 pages. I.

Cripple Creek Rejuvenated. By R. L. Herrick. M. & M., vol. 28, p. 478. 7 columns.

The Montezuma Mining District, Colorado. By E. A. Ritter. M. & M., vol. 28, p. 501. 7 columns. I.

The Sylvanite Mine, Colorado. E. & M. J., vol. 46, p. 499. 2 columns. I.

The Virginius Mine. E. & M. J., vol. 76, p. 268. 2 columns.

The Mines and Mills of Gilpin County, Colorado. By A. N. Rogers. T. A. I. M. E., vol. 11, p. 29.

Topeka Gold Mine at Central City, Colordao. By A. Lakes. M. & M., vol. 20, p. 82. 4⅙ columns. I.

Silver Mines and Mining, Clear Creek County, Colorado. By F. L. Vinton. E. & M. J., vol. 27, p. 73. 3½ columns. I.

The Lamartine Mine at Idaho Springs, Colorado. By A. Lakes. M. & M., vol. 20, p. 385. 5½ columns. I.

Gold Mine and Tunnel: The Crown Point Mine and Knickerbocker Tunnel, Idaho Springs. By A. Lakes. Coll. Engr. & Met. Miner, vol. 17, p. 142. 6 columns. I.

The Camp Bird Gold Mine and Mills. By H. A. Titcomb. Sch. Mines Quart., vol. 24, p. 56. 7 pages. I.

The Camp Bird Mine, Ouray, Colorado, and the Mining and Milling of the Ore. By C. W. Purington, T. H. Woods, and G. D. Doveton. T. A. I. M. E., vol. 33, p. 499.

The Stanley Consolidated Mine, Colorado. By A. Lakes. Coll. Engr. & Met. Miner, vol. 14, p. 282, 8 columns, I.; and p. 308, 3½ columns, I.

The Mines of Cripple Creek, Colorado. Min. & Sci. Press, vol. 90, p. 36, 3½ columns; p. 57, 3 columns, I.; p. 70, 3 columns; p. 88, 2½ columns, I.

The Cripple Creek Gold Field. By T. A. Rickard. Min. & Sci. Press, vol. 72, p. 284. 6 columns. I.

The Smuggler-Union Mines, Telluride, Colorado. By J. A. Porter. T. A. I. M. E., vol. 26, p. 449. 12 pages. I.

The Liberty Bell Gold-Mine, Telluride, Colorado. By A. Winslow. T. A. I. M. E., vol. 29, p. 285. 14 pages.

The Cripple Creek District. By J. W. Finch. Min. Mag., vol. 11, p. 414. 18 columns. I.

The Silver Mines of Colorado. Am. Jour. Min., vol. 2, p. 298, 1 column; and p. 314, 1½ columns.

Mines of Ouray, Colorado. Min. & Sci. Press, vol. 79, p. 545. 3 columns. I.

Mining Operations at Telluride, Colorado. Min. & Sci. Press, vol. 79, p. 574. 1⅔ columns.

Sketch of a Portion of the Gunnison Gold-Belt, Including the Vulcan and Mammoth Chimney Mines. By A. Lakes. T. A. I. M. E., vol. 26, p. 440.

Notes on the Geology and on Some of the Mines of Aspen Mountain, Pitkin County, Colorado. By C. Heinrich. T. A. I. M. E., vol. 17, p. 156. 50 pages. I.

The Silver Mines of Calico, Colorado. By W. Lindgren. T. A. I. M. E., vol. 15, p. 717. 18 pages. I.

The La Plata Mountains of Colorado: Telluride Veins and the Mancos Contact. By A. Lakes. M. & M., vol. 20, p. 279. 3¾ columns. I.

Peculiar Formations in the San Juan Region: The Rocks to which nearly all the Mines and Veins are Confined. By A. Lakes. Coll. Engr. & Met. Miner, vol. 17, p. 350. 4¼ columns. I.

Aspen, the Booming Camp of Colorado. E. & M. J., vol. 39, p. 277, 1 column; and p. 298, 1½ columns.

The Cripple-Creek Region: Epitome of the United States Geological Survey's Report on the Cripple Creek Mining Region. By A. Lakes. Coll. Engr. & Met. Miner, vol. 17, p. 105. 10 columns. I.

Rico Mining District: A Sketch of the Formation and Peculiar Mode of Occurrence of the Ores of the Region. By A. Lakes. Coll. Engr. & Met. Miner, vol. 17, p. 359. 4 columns. I.

The San Juan Region: A Description of a Rich Mining Field and its Development. By A. Lakes. Coll. Engr. & Met. Miner, vol. 17, p. 206. 7 columns. I.

Silver Cliff District: Some Peculiar Formations and Remarkable Silver Mines in the State of Colorado. By A. Lakes. M. & M., vol. 18, p. 296. 3¼ columns. I.

The Gold Belt of Pitkin County, Colorado. By J. R. Holibaugh. E. & M. J., vol. 62, p. 559. 1 column.

The Victor Mine, Cripple Creek, Colorado. By H. J. Elder. E. & M. J., vol. 56, p. 193. 1½ columns. I.

The 4-Mile Placer Fields of Colorado and Wyoming. By E. P. Snow. E. & M. J., vol. 60, p. 102. 2 columns. I.

Forrest Hill Placer Mines. By A. Lakes. M. & M., vol. 19, p. 476. 2 columns. I.

Mines of the La Plata Mountains, Colorado. By R. W. Petre. E. & M. J., vol. 66, p. 667. 2 columns.

Boulder Region, Colorado. By A. Lakes. M. & M., vol. 19, p. 252. 2 columns.

Exploiting a New Placer Field at Fairplay, Colorado. By A. Lakes. M. & M., vol. 21, p. 128. 3½ columns. I.

The American Nettie Mine, Near Ouray, Colorado. By A. Lakes. M. & M., vol. 21, p. 241. 8 columns. I.

Farncomb Hill Gold Deposits. By A. Lakes. M. & M., vol. 21, p. 222. 1½ columns.

The Bottom Levels at Cripple Creek. By G. J. Bancroft. E. & M. J., vol. 76, p. 86. 4 columns.

Red Mountain, Colorado, Silver Mines. By W. Weston. E. & M. J., vol. 51, p. 348. 2½ columns. I.

The Yankee Girl Ore Belt in Colorado. By W. Weston. E. & M. J., vol. 52, p. 162. 2½ columns. I.

The Mines of Marshall Basin, Colorado. E. & M. J., vol. 51, p. 717. 1 column. I.

San Miguel Mines, Colorado. E. & M. J., vol. 30, p. 185. 1½ columns.

The Leadville Gold Belt. By A. A. Blow. E. & M. J., vol. 59, p. 77. 1⅞ columns. I.

Kokoma, Ten Mile District, Colorado. E. & M. J., vol. 31, p. 430. 1 column.

The Little Annie Mine, Summit, Rio Grande County, Colorado. E. & M. J., vol. 25, p. 57, 2 columns; and p. 77, 2 columns.

Cripple Creek, Colorado. By E. Skewes. E. & M. J., vol. 59, p. 103, 3 columns, I.; and p. 151, 3 columns, I.

The Caribou Silver Mines, Colorado. E. & M. J., vol. 24, p. 105. 5 columns. I.

The Fuller Placer Mines, Colorado. E. & M. J., vol. 24, p. 454. 2 columns. I.

Across the San Juan Mountains. By T. A. Rickard. E. & M. J., vol. 76, p. 7, 5 columns, I.; p. 45, 4½ columns, I.; p. 82, 7 columns, I.; p. 118, 6 columns, I.; p. 154, 5 columns, I.; p. 230, 2⅔ columns, I.; p. 269, 4 columns, I.; p. 307, 3½ columns, I.; p. 346, 3 columns, I.; p. 385, 6½ columns, I.; p. 423, 4⅔ columns, I.; p. 461, 7 columns, I.

San Juan Silver Mines, Colorado. E. & M. J., vol. 31, pp. 22, 40, 92.

San Juan County, Colorado. E. & M. J., vol. 31, pp. 8, 24, 61, 114, 148, 199, 247, 289, 304, 339, 402, 434.

Possible Economies in Mining in the San Juan Country. E. & M. J., vol. 36, p. 394. 3 columns.

Silver Cliff. By F. L. Vinton. E. & M. J., vol. 27, p. 57. 2 columns. I.

Some Veins of Gunnison County, Colorado. E. & M. J., vol. 63, p. 597. 1¼ columns.

The Distribution of San Juan County Ores. By T. B. Comstock. E. & M. J., vol. 39, p. 38. 1½ columns.

Pine Creek District, Colorado. Min. & Sci. Press, vol. 73, p. 173. 2 columns.

The Cripple Creek Goldfield. By T. A. Rickard. T. I. M. & M., vol. 8, p. 49.

The Gold-Mines of Boulder County, Colorado. By F. Owen. T. I. M. E., vol. 19, p. 321. 16 pages. I.

The Mines of Cripple Creek, Colorado. By W. Lindgren and F. L. Ransome. Min. & Sci. Press, vol. 90, p. 88. 2½ columns. I.

The Mines on Battle Mountain, Eagle County, Colorado. E. & M. J., vol. 53, p. 545. 2 columns. I.

The Ore Deposits of Newman Hill, Rico, Colorado. E. & M. J., vol. 54, p. 174. 4 columns. I.

The Mines of Cripple Creek. E. & M. J., vol. 53, p. 567. 4 columns. I.

San Juan Silver and Gold Mines. E. & M. J., vol. 32, p. 200, 1 column; p. 389, 1½ columns; vol. 27, p. 239, 1 column; p. 261, ⅔ column; vol. 26, p. 115, 1 column; p. 382, 1 column; p. 404, 1½ columns; vol. 25, p. 310, 1⅔ columns; p. 411, 1½ columns.

Mines of Rico, Dolores County, Colorado. Min. & Sci. Press, vol. 81, p. 341. 3 columns. I.

A Colorado Comparison Between Cripple Creek and the Comstock. Min. & Sci. Press, vol. 73, p. 500. 2½ columns.

Features of the Occurrence of Ore at Red Mountain, Ouray County, Colorado. By T. E. Schwarz. T. A. I. M. E., vol. 36, p. 31. 9 pages. I.

Mining in Aspen, Colorado. Min. & Sci. Press, vol. 79, p. 492. 1½ columns. I.

The Old Hundred Mine and Mill, Howardsville, Colorado. M. & M., vol. 27, p. 390. 10 columns. I.

The Gold Prince Mine and Mill, Animas Forks, Colorado. By G. P. Scholl and R. L. Herrick. M. & M., vol. 27, p. 337. 17 columns. I.

Cripple Creek. By A. Lakes. Coll. Engr. & Met. Miner, vol. 14, p. 230. 7⅔ columns. I.

The Sunnyside Mines of San Juan. M. & M., Sept., 1903, p. 91. 1½ columns.

Hahns Peak Mining Region. By M. Draper. Coll. Engr. & Met. Miner, vol. 17, p. 437. 2 columns. I.

The La Plata Mountains: Where They Are, What They Look Like, and Their Possibilities as a Mining Region. By A. Lakes. M. & M., vol. 18, p. 74. 7 pages. I.

Description of Raven Hill, Cripple Creek, and Its Ore Deposits. By A. Lakes. M. & M., vol. 20, p. 154. 2⅓ columns. I.

Ouray, Colorado. E. & M. J., vol. 30, p. 22, 2 columns; p. 38, 1½ columns; p. 72, ¾ column.

The Florissant Basin. By A. Lakes. M. & M., vol. 20, p. 179. 3 columns.

The Jimtown Mining District and Golden Age Mine. By A. Lakes. M. & M., May, 1904, p. 505. 4½ columns. I.

Creede Mining Camp. By A. Lakes. M. & M., May, 1903, p. 433.

Peculiar Mines and Ore Deposits of the Rosita and Silver Cliff Mining District of Colorado. By A. Lakes. M. & M., June, 1903, p. 487. 6 columns.

Crestone Mining District in San Luis Park, Colorado. By A. Lakes. M. & M., May, 1902, p. 467. 2¼ columns.

Twin Lakes Region: A Rich Placer and Gold Mining District of Colorado which has been but Little Developed. By J. J. Guenthwodt. Coll. Engr. & Met. Miner., vol. 17, p. 201. 2 columns. I.

Summit District Gold Region. By A. Lakes. Coll. Engr. & Met. Miner, vol. 17, p. 164. 3 columns. I.

Cripple Creek: Description of Volcanic Formation, and the Present Condition of the World's Greatest Gold Mining Camp. By A. Lakes. M. & M., vol. 21, p. 277. 6½ columns. I.

Saladia, Colorado. E. & M. J., vol. 48, p. 545. 2 columns: I.

The American Nettie: A Mine Furnishing an Illustration of the Peculiar Cave Deposits and the Method of Mining Them Near Ouray, Colorado. By A. Lakes. M. & M., vol. 21, p. 241. 8 columns. I.

The San Juan Region, Colorado. By T. T. Read. Min. & Sci. Press, vol. 97, p. 632. 8 columns, I.; p. 668, 10 columns, I.

On the Occurrence of Lustrous Coal with Native Silver in a Vein of Porphyry in Ouray County, Colorado. By G. A. Koenig. T. A. I. M. E., vol. 9, p. 650.

Ore Deposits of Creede, Colorado. By T. R. MacMechen. E. & M. J., vol. 53, p. 30. 4¾ columns, I.; p. 325, 3 columns.

The Silver Pick Mine, Wilson, Colorado. By M. B. Spaulding. Sch. Mines Quart. vol. 20, p. 41. 8 pages.

Battle Mountain Mining District, Eagle County, Colorado. By E. E. Olcott. E. & M. J., vol. 43, p. 418, 1 column, I.; and p. 436, 1¼ columns, I.

The Silver Lake Mine Near Silverton, San Juan County, Colorado. By A. Lakes. M. & M., Apr., 1903, p. 389. 5 columns.

South Park, Colorado: A Description of Its Geology and Economic Resources in Gold, Silver, Lead, Coal and Oil. By A. Lakes. M. & M., Sept., 1902, p. 78. 3½ columns.

Some Mines of Rosita and Silver Cliff, Colorado. By S. F. Emmons. T. A. I. M. E., vol. 26, p. 773.

The Sulphide-Deposit of South Iron Hill, Leadville, Colorado. By F. T. Freeland. T. A. I. M. E., vol. 14, p. 181.

The Leadville Formations. E. & M. J., vol. 27, p. 462. 6 columns.

The Iron Ore Deposits of Leadville, Colorado. By C. Heinrich. E. & M. J., vol. 27, p. 125, 1½ columns; p. 143, 1 column; p. 160, 1 column; p. 388, 4½ columns, I.

Leadville and the Iron Mine. By F. L. Vinton. E. & M. J., vol. 27, p. 110. 3¾ columns. I.

Notes on Certain Iron-Ore Deposits in Colorado. By C. M. Rolker. T. A. I. M. E., vol. 14, p. 266.

The Iron Resources of Colorado. By R. Chauvenet. T. A. I. M. E., vol. 18, p. 266.

Colorado Iron Ore Deposits. By J. A. Snedaker. E. & M. J., Feb. 16, 1905, p. 313. 2 columns.

Iron and Manganese: The Great Cebolla River Deposits, Colorado. By A. Lakes. Coll. Engr. & Met. Miner, vol. 16, p. 267. 4½ columns. I.

The Tungsten Deposits of Boulder County, Colorado. By W. E. Greenawalt. E. & M. J., vol. 83, p. 951. 4¼ columns. I.

The Tungsten Ores of San Juan County, Colorado. By C. A. Cooper. E. & M. J., vol. 67, p. 499. ⅔ column.

The Distribution of San Juan Ores. By T. B. Comstock. E. & M. J., vol. 38, p. 208, 2 columns; p. 229, 2 columns; p. 245, 3½ columns; p. 298, 3 columns; p. 315, 3 columns; p. 328, 2½ columns.

The San Juan Country as a Zinc Producer. By S. W. Osgood. Min. Mag., Dec. 1904, p. 423. ¼ column.

Zinc in Colorado: Its Occurrence and Distribution. By A. Lakes. M. & M., vol. 20, p. 302. ½ column.

The Down-Town District of Leadville. Min. & Sci. Press, vol. 93, p. 10. 1 column.

Leadville's Ore-Shoots. Min. & Sci. Press, vol. 50, p. 302. ⅞ column.

Ore Occurrence at Leadville, Colorado. By F. Robbins. Min. & Sci. Press, vol. 86, p. 168. ¾ column.

Some Notes on the Geology of Leadville, Colorado. Min. & Sci. Press, vol. 78, p. 536. 3 columns.

The Geology and Ore-Deposits of Iron Hill, Leadville, Colorado. By A. A. Blow. T. A. I. M. E., vol. 18, p. 145.

The Mines of Custer County, Colorado. U. S. G. S., 17th Ann. Rept., 1896, pp. 411–472.

The Ore Deposits of Leadville, Colorado. E. & M. J., vol. 52, p. 209. 1 column.

The "Down Town" Mines of Leadville. By A. Lakes. M. & M., vol. 21, p. 147. 5 columns. I.

The Mines of Leadville, Colorado. E. & M. J., vol. 51, p. 280. 1 column.

Leadville, Colorado: Geology and Ore Deposits. Min. & Sci. Press, vol. 57, p. 106. 2½ columns.

Around Leadville, Colorado. By W. A. Scott. Min. & Sci. Press, vol. 75, p. 193. 1½ columns.

The Leadville District. By A. W. Warwick. Min. Mag., vol. 11, p. 430. 20 columns. I.

Notes on the Leadville Ore-Deposits. By C. M. Rolker. T. A. I. M. E., vol. 14, p. 273.

The Primero Mines: A Description of the Extensive Plant of the Colorado Fuel and Iron Company at Primero, Colorado. By R. M. Hosea. M. & M., June, 1904, pp. 521–526.

Coal Mines of Pictou: A Description of the Mines of the Colorado Fuel and Iron Company, the Methods of Operation, and the Geological Formations. By Frank Meade. M. & M., vol. 21, p. 1. 5 columns. I.

The Coals of Colorado. By J. S. Newberry. Sch. Mines Quart., vol. 9, p. 327. 14 pages.

The Coal-Fields of Routt County, Colorado. E. & M. J., vol. 74, p. 579. 5½ columns. I.

Colorado Coal-Fields. E. & M. J., vol. 35, p. 18. 2 columns.

The Walsenburg Coal District of Colorado. By R. C. Hills. M. & M., Feb., 1904, p. 339. 7 columns.

The Pictou Coal-Field. By H. S. Poole. T. A. I. M. E., vol. 14, p. 403.

The Tertiary Coal-Beds of Canyon City, Colorado. By R. N. Clark. T. A. I. M. E., vol. 1, p. 293.

The Northwestern Colorado Coal-Region. By G. C. Hewett. T. A. I. M. E., vol. 17, p. 375.

The Yampa Coal-Fields of Colorado. By W. Weston. Min. Mag., Oct.-Nov., 1904, p. 325. 1 column.

The Trinidad or El Moro Coal Region of Colorado: Abstract of Monograph. By R. G. Hills. M. & M., Jan., 1903, p. 254. 5½ columns.

The Yampa Coal Fields: A Description of the Anthracite, Bituminous, and Lignite Field Traversed by the Moffatt Road in Routt County, Colorado. By A. Lakes. M. & M., Jan., 1904, p. 250.

Tercio and Cuatro Mines, Colorado: Coal Washing and Coking Plant of the Colorado Fuel and Iron Company. By R. M. Hosea. M. & M., Dec., 1904, p. 218.

The Spanish Peaks Coal Region in Southern Colorado. By A. Lakes. M. & M., May, 1902, p. 463. 3 columns.

Grand River Coal-Field of Colorado. By A. Lakes. M. & M., vol. 20, p. 110. 4 columns. I.

Leadville, Colorado. E. & M. J., vol. 31, p. 315, 1½ columns; p. 183, 1⅔ columns; p. 470, 1 column.

Coal-Fields of Colorado: The Various Qualities of the Coals and the Extent of the Different Fields. By A. Lakes. M. & M., vol. 19, p. 541. 6 columns. I.

Anthracite in the Rockies: The Causes which Produced It and the Methods Used in Mining and Preparing It. By R. M. Hosea. M. & M., vol. 18, p. 529, 9 columns, I.; and vol. 19, p. 7, 6 columns, I.

The El Paso Coal Field. By A. Lakes. M. & M., vol. 18, p. 483. 2 columns. I.

The Newcastle Mines: One of the Colorado Fuel and Iron Company's Most Extensive Coal Mining Plants. By R. M. Hosea. Coll. Engr. & Met. Miner, vol. 17, p. 377, 11½ columns, I.; and p. 425, 8½ columns.

The Coal Deposits of Boulder County, Colorado. By A. Walters. Am. Jour. Min., vol. 4, p. 242. 1 column.

The Curtis Coal Mine: Description of a Valuable Lignite Deposit Near Colorado Springs, Colorado. By A. Lakes. M. & M., vol. 21, p. 298. ⅔ column. I.

Sheep Mountain Mines, Gunnison County, Colorado. By F. Amelung. E. & M. J., vol. 42, p. 149. 1½ columns.

Colorado Coals. By A. Lakes. Coll. Engr., vol. 13, p. 39. 2½ columns.

Simpson Mine (Lignite), Lafayette, Near Denver, Colorado. By E. D. Rust. M. & M., vol. 26, p. 385. 3½ columns. I.

Colorado Anthracite. By A. Lakes. M. & M., vol. 26, p. 275. 3¼ columns. I.

The Occidental and Other Coal Mines of Huerfano County, Colorado. By A. Lakes. M. & M., May, 1905, p. 473. 3 columns. I.

The Book Cliff Coal Mines: Coal Seams near Grand Junction, Colorado, which Exhibit Interesting Peculiarities. By A. Lakes. M. & M., Jan., 1904. p. 289.

The Mines of the Colorado Fuel and Iron Company, Colorado. E. & M. J., vol. 83, p. 132. 8 columns. I.

Anthracite Coal Mining in Colorado. By R. M. Hosea. E. & M. J., vol. 82, p. 399. 8 columns. I.

The Development of a New Coal Field in Colorado. By L. B. Merriam. J. W. Soc. E., vol. 8, p. 617. 22 pages. I.

The Colorado Fuel and Iron Company. By L. Lewis. E. & M. J., vol. 82, p. 1202. 7⅞ columns. I. Map.

Mount Diablo Coal Mines. Min. & Sci. Press, vol. 27, p. 50. ⅔ column.

The Humboldt-Pocahontas Vein, Rosita, Colorado. By R. N. Clark. T. A. I. M. E., vol. 7, p. 21.

The Seaton Mine, Colorado. By J. Underhill. E. & M. J., vol. 64, p. 550. 1 column. I.

Note on Iron-Ore Deposits in Pitkin County, Colorado. By W. B. Devereux. T. A. I. M. E., vol. 12, p. 638.

Uraninite in Colorado. By R. Pearce. M. & M., vol. 19, p. 108. ¾ column.

The Asphalt Deposits of Middle Park, Colorado. By H. A. Lee. E. & M. J., vol. 67, p. 469. ⅔ column.

Grahamite in Colorado. Sch. Mines Quart., vol. 8, p. 332. 1½ pages.

Resources of the Mount Wilson District, Colorado. By F. L. Nason. E. & M. J., vol. 68, p. 95. 3½ columns. I.

La Sal Mountains: A Coming Prospecting Area whose Geological Formations Present Peculiar Features. By A. Lakes. M. & M., vol. 19, p. 467. 5 columns. I.

Mining in Colorado. Am. Jour. Min., vol. 2, p. 74. 1¼ columns.

Mining Matters in Colorado '75. Min. & Sci. Press, vol. 31, p. 338. ⅔ column.

Colorado Ore-Deposits. T. A. I. M. E., vol. 14, p. 949.

COLORADO LODES, ORES AND TITLES. Am. Jour. Min., vol. 1, pp. 378, 394. 1 column.

THE VEINS AND MINERALS OF COLORADO. Min. & Sci. Press, vol. 19, p. 306. 3 columns.

THE DEVELOPMENT OF COLORADO'S MINING INDUSTRY. By T. A. Rickard. Min. & Sci. Press, vol. 73, p. 336. 3 columns.

THE SODIUM NITRATE DEPOSITS OF THE COLORADO. By H. W. Turner. Min. & Sci. Press, vol. 94, p. 634. 3 columns. I.

A CURIOUS DEPOSIT OF CERUSSITE IN COLORADO. By R. B. Brinsmade. E. & M. J., vol. 83, p. 844. 4½ columns.

CAVE ORE DEPOSITS: Illustrations of Peculiar Deposits of Silver and Copper Ores in Caves at the Red Mountain Mines, Colorado. By A. Lakes. M. & M., vol. 21, p. 333. 3 columns. I.

COPPER IN THE RED BEDS OF THE COLORADO PLATEAU REGION. U. S. G. S., Bull. No. 260, pp. 221–232. 1905.

THE CASHIN MINE, MONTROSE COUNTY, COLORADO. By W. H. Emmons. U. S. G. S., Bull. No. 285, pp. 125–128. 1906.

RECONNAISSANCE EXAMINATION OF THE COPPER DEPOSITS AT PEARL, COLORADO. U. S. G. S., Bull. No. 213, pp. 163–169. 1903.

VOLCANIC ASH NEAR DURANGO, COLORADO. By L. H. Woolsey. U. S. G. S., Bull. No. 285, pp. 476–479. 1906.

THE BOULDER, COLORADO, OIL FIELD. By N. M. Fenneman. U. S. G. S., Bull. No. 213, pp. 322–332. 1903.

STRUCTURE OF THE BOULDER OIL FIELD, COLORADO, WITH RECORDS FOR THE YEAR 1903. By N. M. Fenneman. U. S. G. S., Bull. No. 225, pp. 383–391. 1904.

THE FLORENCE OIL FIELD, COLORADO. By G. H. Eldridge. T. A. I. M. E., vol. 20, pp. 442–462. 1892.

THE FLORENCE, COLORADO, OIL FIELD. By N. M. Fenneman. U. S. G. S., Bull. No. 260, pp. 436–440. 1905.

ON CARNOTITE AND ASSOCIATED VANADIFEROUS MINERALS IN WESTERN COLORADO. By W. F. Hillebrand and F. L. Ransome. U. S. G. S., Bull. No. 262, pp. 9–31. 1905.

CARNOTITE IN RIO BLANCO COUNTY, COLORADO. By H. S. Gale. U. S. G. S., Bull. No. 315, pp. 110–117. 1907.

CLAY DEPOSITS OF THE WESTERN PART OF THE DURANGO-GALLUP COAL FIELD OF COLORADO AND NEW MEXICO. By M. K. Shaler and J. H. Gardner. U. S. G. S., Bull. No. 315, pp. 296–302. 1907.

GYPSUM OF THE UNCOMPAHGRE REGION, COLORADO. By C. E. Siebenthal. U. S. G. S., Bull. No. 285, pp. 401–403. 1906.

Connecticut

NOTES ON THE SALISBURY IRON MINES AND WORKS. By A. L. Holley. T. A. I. M. E., vol. 6, p. 220.

THE OLD TUNGSTEN MINE AT TRUMBULL, CONN. By W. H. Hobbs. U. S. G. S., 22d Ann. Rept., pt. 2, pp. 7–22. 1902.

TUNGSTEN MINING AT TRUMBULL, CONN. By W. H. Hobbs. U. S. G. S., Bull. No. 213, p. 98. 1903.

THE LIMESTONE QUARRIES OF EASTERN NEW YORK, WESTERN VERMONT, MASSACHUSETTS, AND CONNECTICUT. By H. Ries. U. S. G. S., 17th Ann. Rept., pt. 3, pp. 795–811. 1896.

South Dakota

THE TELLURIDE ORES OF THE BLACK HILLS OF SOUTH DAKOTA. Min. & Sci. Press, vol. 78, p. 377. 2 columns.

The Homestake, South Dakota, Milling Process. Min. & Sci. Press, vol. 84, p. 60. 1 column.

Some Features of Mining Operations in the Homestake Mine, South Dakota. Min. & Sci. Press, vol. 88, p. 111, 3 columns, I.; p. 127, 3¾ columns, I.; p. 147, 4 columns, I.; p. 165, 2¼ columns, I.; p. 177, 3½ columns, I.

Ore-Deposits of the Black Hills of Dakota. By F. R. Carpenter. T. A. I. M. E., vol. 17, p. 570. 28 pages. I.

Mining at the Homestake Mine. Min. & Sci. Press, vol. 87, p. 4. 2 columns.

Ore Deposits of the Northern Black Hills. Min. & Sci. Press, vol. 87, p. 166, 1 column; p. 187, 2½ columns; p. 205, 2⅓ columns; p. 221, 3 columns.

The Black Hills Ore Deposits. By J. D. Irving. Min. Mag., Sept., 1904, p. 206. 2 columns.

Gold Ores of the Black Hills, South Dakota. By H. M. Chance. E. & M. J., vol. 69, p. 227. ½ column.

Dakota Mines, Black Hills. Min. & Sci. Press, vol. 48, p. 237. 3 columns. I.

Cambrian Ore Deposits in the Black Hills. Min. & Sci. Press, vol. 86, p. 212. 1½ columns.

The Black Hills Mines, Dakota. E. & M. J., vol. 30, p. 57, 1 column; p. 107, 1¼ columns; p. 4, 1 column.

The Mines of the Black Hills in 1892. E. & M. J., vol. 55, p. 31. 2½ columns.

Dakota Mines and Their Enemies. E. & M. J., vol. 46, p. 212. 1½ columns.

Notes on the Northern Black Hills of South Dakota. By P. Frazer. T. A. I. M. E., vol. 27, p. 204.

The Bald Mountain District In the Black Hills. By J. Blatchford. M. & M., Mar., 1904, p. 394. 1½ columns.

Black-Hills, South Dakota. E. & M. J., vol. 61, p. 373. ⅔ column.

The Occurrence of Gold in the Potsdam Formation, Black Hills, Dakota. By W. B. Devereux. T. A. I. M. E., vol. 10, p. 465.

The Potsdam Gold-Ores of the Black Hills of South Dakota. By F. C. Smith. T. A. I. M. E., vol. 27, p. 404.

The Occurrence and Behavior of Tellurium in Gold-Ores, More Particularly with Reference to the Potsdam Ores of the Black Hills, South Dakota. By F. C. Smith. T. A. I. M. E., vol. 26, pp. 485, 1103.

Gold-Ores of the Black Hills, South Dakota. By H. M. Chance. T. A. I. M. E., vol. 30, p. 278.

A Contribution to the Geology of the Dakota Tin Mines. By T. Ulke. E. & M. J., vol. 53, p. 547. ⅔ column.

Harney Peak Tin Mines, Dakota. E. & M. J., vol. 54, p. 512, 2½ columns; p. 536, 2 columns; and vol. 48, p. 358, 1⅔ columns.

The Harney Peak Tin Mining Company. E. & M. J., vol. 45, p. 230. ⅔ column.

Tin-Ore Veins in the Black Hills of Dakota. By W. P. Blake. T. A. I. M. E., vol. 13, p. 691.

The Harney Peak Tin Mines. By A. J. Morse. E. & M. J., col. 58, p. 463, 1⅔ columns, I.; p. 510, 1¼ columns.

Tin in Dakota. E. & M. J., Mar. 9, 1905, p. 469. ½ column.

The Tin Mines of Dakota. E. & M. J., vol. 42, p. 325. 1 column.

The Lignite Deposits of North Dakota. By F. A. Wilder. E. & M. J., vol. 74, p. 674. 5 columns. I.

THE LIGNITES OF THE GREAT SIOUX RESERVATION [DAKOTA]. By B. Willis. U. S. G. S., Bull. No. 21. 16 pages. 1885.

COAL IN NORTH DAKOTA: A Description of the Extent and Location of the Formations and the Various Qualities of the Coal. By E. J. Babcock. M. & M., vol. 19, p. 254. 1⅓ columns.

LIGNITE DEPOSITS OF NORTH DAKOTA. By R. M. Haseltine. M. & M., July, 1901, p. 545.

SOME RECENT EXPLOITED DEPOSITS OF WOLFRAMITE IN THE BLACK HILLS OF SOUTH DAKOTA. By J. D. Irving. T. A. I. M. E., vol. 31, pp. 683, 1024.

THE FULLER'S EARTH OF SOUTH DAKOTA. By H. Ries. T. A. I. M. E., vol. 27, p. 333.

Ecuador

GOLD MINING AND MILLING IN ECUADOR. By J. W. Mercer. E. & M. J., vol. 75, p. 233. 7 columns. I.

GOLD MINING IN ECUADOR. E. & M. J., vol. 73, p. 719. ⅞ column.

NOTES ON THE GOLD-MINES OF ZARUMA, ECUADOR. By J. R. Finlay. T. A. I. M. E., vol. 30, p. 248.

GOLD MINING IN ECUADOR, SOUTH AMERICA. By A. F. Saabye. E. & M. J., vol. 58, p. 417. 1½ columns. I.

THE PLAYA DE ORO PLACERS, ECUADOR. E. & M. J., vol. 55, p. 25, 1 column; and p. 30, 2 columns, I.

Egypt

THE GOLD MINES OF EGYPT. By J. H. Curle. E. & M. J., Mar. 30, 1905, p. 620. 2½ columns.

GOLD MINING IN EGYPT: Facts in Regard to Ancient Mines which have been Rediscovered and are Again Being Worked. By Chas. J. Alford. M. & M., July, 1904, p. 626.

EGYPTIAN GOLD MINING. E. & M. J., vol. 78, p. 784. 2 columns.

GOLD MINING IN EGYPT. By C. J. Alford. T. I. M. & M., vol. 10, p. 2. 32 pages.

EGYPTIAN GOLD MINES. E. & M. J., vol. 75, p. 557. 2 columns. I.

GOLD MINING IN EGYPT. Min. & Sci. Press, vol. 91, p. 324. 5¾ columns. I.

NOTES ON COPPER DEPOSITS NEAR TOKAR, SUDAN. By W. H. Shockley. Min. & Sci. Press, vol. 91, p. 175. 1¼ columns. Map.

MINERAL RESOURCES OF EGYPT. E. & M. J., vol. 73, p. 57. 1⅙ columns.

England

BIBLIOGRAPHY OF GOLD IN GREAT BRITAIN AND IRELAND. T. I. M. E., vol. 25, p. 501.

THE OCCURRENCE OF GOLD IN GREAT BRITAIN AND IRELAND. By J. M. Maclaren. T. I. M. E., vol. 25, p. 435. 74 pages. I.

GOLD IN GREAT BRITAIN. Whitney's Metallic Wealth of the U. S., p. 90. 2 pages.

ST. DAVID'S GOLD MINE, NORTH WALES. By L. H. L. Huddart. T. I. M. & M., vol. 14, p. 199. 23½ pages.

AN ANCIENT SILVER MINE, WALES. Min. & Sci. Press, vol. 19, p. 152. 1 column.

GOLD MINING IN WALES. By T. H. White. E. & M. J., vol. 49, p. 383. 1⅓ columns.

HISTORY AND DESCRIPTION OF THE GREENSIDE SILVER-LEADE MINE, PATTERDALE, GREAT BRITAIN. By W. H. Borlase. T. F. I. M. E., vol. 7, p. 645. 5 pages.

THE HILDERSTON SILVER-MINE, NEAR LINLITHGOW. By H. Aitken. T. F. I. M. E., vol. 6, p. 193. 6 pages.

GOLD MINING IN ENGLAND. By E. Walker. E. & M. J., vol. 56, p. 667. ⅔ column.

CORNISH TIN MINING. By H. E. West. Min. & Sci. Press, vol. 94, p. 179, 4½ columns, I.; and p. 212, 3¾ columns, I.

REVIVAL OF THE SOUTH CROFTY TIN MINES, CORNWALL. By E. Walker. E. & M. J., vol. 83, p. 1092. 4 columns. I.

TIN DEPOSITS OF CORNWALL. Tin Deposits of the World, p. 125. 14 pages. I.

THE DOLCOATH TIN MINE. Tin Deposits of the World, p. 175. 23 pages.

THE CORNISH TIN STREAMS. Min. & Sci. Press, vol. 68, p. 279. 2 columns.

RED RIVER TIN STREAM, CORNWALL. By E. Skewes. E. & M. J., vol. 74, p. 178. 6½ columns. I.

THE MANSFIELD COPPER MINES. By A. F. Wendt. E. & M. J., vol. 42, p. 129. 2⅔ columns.

MINING IN CORNWALL. E. & M. J., vol. 77, p. 553. 1¼ columns.

OPERATIONS AND TENDENCIES OF MODERN MANSFIELD. By P. A. Wagner and J. S. G. Primrose. E. & M. J., vol. 84, p. 671. 6¾ columns. I.

THE IRONSTONE OF CLEVELAND, ENGLAND. By A. E. Pratt. T. I. M. & M., vol. 16, p. 328. 12 pages.

THE BELVOIR IRON-ORE (ENGLAND). By R. F. Percy. T. I. M. E., vol. 27, p. 30. 5 pages.

THE FRONGACH ZINC AND LEAD MINE, WALES. Electrical Installation. E. & M. J., vol. 71, p. 618. 4½ columns. I.

IRON ORE OF CLEVELAND, ENGLAND. E. & M. J., vol. 83, p. 1098. ¾ column.

THE NORTH STAFFORDSHIRE COAL-FIELD, WITH THE IRONSTONE CONTAINED THEREIN. By C. J. Homer. T. N. S. I. M. & M. E., vol. 1, p. 102, 10½ pages; and vol. 2, p. 11, 34 pages.

AN ENGLISH HEMATITE MINE. E. & M. J., vol. 54, p. 393. ½ column. I.

COAL AND MINES OF SOUTH WALES: Why Welsh Coal Can Withstand Competition and Yet Command a Higher Price. By A. Howells. M. & M., May, 1901, p. 459. 3 columns.

THE OCCURRENCE, MODE OF WORKING, AND TREATMENT OF THE IRONSTONES FOUND IN THE NORTH STAFFORDSHIRE COAL-FIELD. By J. Cadman. T. I. M. E., vol. 22, p. 89. 24 pages. I.; vol. 26, p. 106. 14 pages. I.; vol. 27, p. 89. 24 pages. I.

THE WORKING OF HÆMATITE IN THE WHITEHAVEN DISTRICT. By J. M. Main. T. F. I. M. E., vol. 8, p. 31. 13 pages.

THE HEMATITE ORES OF CUMBERLAND. By J. L. Shaw. T. F. I. M. E., vol. 3, p. 580, 23 pages, I.; and vol. 4, p. 143, 8 pages.

HEMATITE-DEPOSITS AND HEMATITE-MINING IN WEST CUMBERLAND. By W. E. Walker. T. I. M. E., vol. 25, p. 292. 9 pages.

LEAD AND ZINC MINES OF NORTH WALES. By E. Walker. E. & M. J., vol. 84, p. 871. 11¼ columns. I.

NOTES ON THE LEAD-INDUSTRY OF THE MENDIP HILLS. By T. Morgans. T. I. M. E., vol. 20, p. 478. 16 pages.

THE KENT COAL-FIELD, ENGLAND. E. & M. J., vol. 61, p. 469. ½ column.

THE STANTON IRONWORKS COMPANY'S COLLIERIES. By J. C. B. Hendy. T. F. I. M. E., vol. 2, p. 531. 22 pages.

THE NORTH STAFFORDSHIRE COAL AND IRON DISTRICT. By W. H. Merritt. T. A. I. M. E., vol. 8, p. 333.

THE SOUTHERN AYRSHIRE COAL-FIELDS. By R. W. Dron. T. F. I. M. E., vol. 10, p. 378. 10 pages.

EASTERN LIMITS OF THE MIDLAND COAL-FIELD, ENGLAND. By E. Hull. T. F. I. M. E., vol. 11, p. 9. 12 pages. I.

THE DOUGLASS COAL-FIELD, LANARKSHIRE. By R. Weir. T. I. M. E., vol. 16, p. 436. 10 pages. I.

UNDERSEA COAL OF THE NORTHUMBERLAND COAST. By F. E. Forster. T. I. M. E., vol. 24, p. 421. 20 pages.

KENT (COAL IN). By W. Tapley. T. F. I. M. E., vol. 1, p. 376, 14 pages, I.; and vol. 11, p. 540, 11 pages.

THE CANNOCK, RUGELEY, CLAY CROFT, LYE CROSS PIT, AND WALSALL WOOD COLLIERIES. T. F. I. M. E., vol. 3, p. 69. 10 pages. I.

HIDDEN COAL-FIELDS OF THE MIDLANDS, ENGLAND. By C. Lapworth. T. I. M. E., vol. 33, p. 26. 25 pages. I.

THE THICK COAL OF WARWICKSHIRE. By J. T. Browne. T. I. M. E., vol. 33, p. 502. 28 pages.

NUMBER FOUR PIT, BRAYTON DOMAIN COLLIERIES, CUMBERLAND, ENGLAND. By R. P. Cowen. J. C. M. I., vol. 9, p. 402. 10 pages. I.

THE CARBONIFEROUS LIMESTONE COAL-FIELDS OF WEST LOTHIAN. By H. M. Cadell. T. I. M. E., vol. 27, p. 372. 30 pages.

THE LEADING FEATURES OF THE LANCASHIRE COAL-FIELD. By J. Dickinson. T. I. M. E., vol. 30, p. 357. 13 pages.

THE DOVER COALFIELD IN ENGLAND. By E. Walker. E. & M. J., vol. 84, p. 692. 9½ columns. I.

NOTES ON GLAPWELL COLLIERY, ENGLAND. By M. Deacon. T. I. M. E., vol. 26, p. 512. 17 pages. I.

COAL-MINING IN WARWICKSHIRE: With Special Reference to the Use of Stanley Coal-Heading Machines in the Rapid Development and Working of the Nuneaton Colliery. By F. C. Swallow. T. I. M. E., vol. 26, p. 530. 21 pages. I.

THE HULTON COLLIERY: A Large and Well Equipped Colliery, England. By J. Tonge. M. & M., vol. 27, p. 245. 10½ columns. I.

COAL MINING IN NORTH STAFFORDSHIRE, ENGLAND. By A. A. Atkinson. Coll. Engr., vol. 13, p. 58. 3½ columns.

THE PROBABLE DURATION OF THE SCOTTISH COAL-FIELDS. By R. W. Dron. T. I. M. E., vol. 18, p. 194. 18 pages.

THE DYSART, WEMYSS, AND LEVEN COAL-FIELD, FIFESHIRE. By R. Kirkby. T. I. M. E., vol. 23, p. 291. 20 pages. I.

A GENERAL DESCRIPTION OF THE SOUTH STAFFORDSHIRE COAL-FIELD, SOUTH OF THE BENTLEY FAULT, AND THE METHODS OF WORKING THE 10-YARD OR THICK COAL. By W. F. Clark. T. F. I. M. E., vol. 3, p. 25. 25 pages. I.

THE TEES SALT INDUSTRY. By T. W. Stuart. T. F. I. M. E., vol. 3, p. 632. 2 pages.

ON THE CLEVELAND AND SOUTH DURHAM SALT INDUSTRY. By J. Morley. T. F. I. M. E., vol. 1, p. 339. 32 pages. I.

GYPSUM IN SUSSEX. By W. J. Kemp and G. A. Lewis. T. I. M. E., vol. 33, p. 449. 25 pages. I.

THE GYPSUM DEPOSITS OF NOTTINGHAMSHIRE AND DERBYSHIRE. By A. T. Metcalfe. T. F. I. M. E., vol. 12, p. 107. 8 pages.

NOTES ON THE OCCURRENCE OF MANGANESE ORE NEAR THE ARENIGS, MERIONETHSHIRE, GREAT BRITAIN. By E. Halse. T. F. I. M. E., vol. 3, p. 940, 19 pages, I.; and vol. 4, p. 167, 2 pages.

IN AN ARSENIC MINE, ENGLAND. Min. & Sci. Press, vol. 69, p. 37. ½ column.

THE OCCURRENCE OF ANHYDRITE IN THE NORTH OF ENGLAND. By C. E. de Rance. T. I. M. E., vol. 17, p. 75. 10 pages.

LIMESTONE MINING IN SCOTLAND. By J. Morison. T. F. I. M. E., vol. 6, p. 199. 5 pages.

THE RE-DEVELOPMENT OF THE SLATE-TRADE IN IRELAND. By G. H. Kinahan.

Min. Mag., Jan., 1905, p. 64. 1 column.

DESCRIPTION OF THE DUDDINGSTON SHALE-MINES AND THE NIDDRIE CASTLE CRUDE-OIL WORKS. By J. B. Sneddon. T. I. M. E., vol. 26, p. 122. 11 pages. I.

CHERT MINING IN ENGLAND AND WALES. By H. L. Terry. T. I. M. & M., vol. 15, p. 551. 12½ pages.

THE WELSH SLATE QUARRIES. E. & M. J., vol. 66, p. 785. 3 columns.

THE PENRHYN QUARRY, NORTH WALES. By H. Briggs. M. & M., vol. 28, p. 545. 6½ columns. I.

NOTES ON SOME OF THE LESS COMMON METALS IN THE WEST OF ENGLAND. By J. H. Collins. E. & M. J., vol. 81, p. 1225. 5 columns.

REVIVAL OF THE MINING INDUSTRY IN CORNWALL, ENGLAND. By E. Walker. E. & M. J., vol. 83, p. 461. 15 columns. I.

THE ALSTON MINES. By W. Nall. T. I. M. E., vol. 24, p. 392. 20 pages.

MINING IN GREAT BRITAIN — HISTORICAL. By C. M. Percy. M. & M., July, 1903, p. 565.

East Indies — Malaysia

THE OCCURRENCE AND MINING OF GOLD IN THE DUTCH EAST INDIES. By S. J. Truscott. T. I. M. & M., vol. 10, p. 52. 38 pages.

GOLD IN LIMESTONE IN THE UPPER SARAWAK, BORNEO. T. I. M. & M., vol. 15, p. 67. 3 pages.

GOLD IN SHALES IN UPPER SARAWAK. T. I. M. & M., vol. 15, p. 72. 3 pages. I.

GOLD IN CLAYS IN UPPER SARAWAK. T. I. M. & M., vol. 15, p. 76. Note.

THE OCCURRENCE OF GOLD IN UPPER SARAWAK, BORNEO. By J. S. Geikie. T. I. M. & M., vol. 15, p. 63. 25 pages. I.

GOLD IN THE DUTCH EAST INDIES. E. & M. J., vol. 63, p. 376. 2¼ columns.

COAL AND GOLD IN SUMATRA. By L. Hundeshagen. E. & M. J., Mar. 23, 1905, p. 553. ½ column.

GOLD DEPOSITS AT SARAWAK, BORNEO. T. I. M. & M., vol. 15, p. 148. 8 pages. I.

OCCURRENCE AND TREATMENT OF GOLD ORE AT BIDI, SARAWAK, BORNEO. By T. C. Scrutton. T. I. M. & M., vol 15, p. 144. 40½ pages. I.

GOLD MINING IN THE DUTCH EAST INDIES. E. & M. J., vol. 75, p. 364. 3⅔ columns. I.

WOODLARK ISLAND (BRITISH NEW GUINEA) GOLDFIELDS. By C. R. Pinder. T. I. M. & M., vol. 10, p. 87. 6 pages.

THE ALLUVIAL TIN-DEPOSITS OF GIAK, SUMATRA. By C. M. Rolker. T. A. I. M. E., vol. 20, p. 50.

THE TERAK TIN MINES (MALAY PENINSULA). E. & M. J., vol. 56, p. 268. 2½ columns. I.

THE STRAITS TIN MINES. E. & M. J., vol. 80, p. 831. 1½ columns.

TIN MINES IN THE MALAY PENINSULA. E. & M. J., vol. 55, p. 514. Note.

THE MALAY TIN DEPOSITS. By R. A. F. Penrose. E. & M. J., vol. 75, p. 926. 8 columns. I. Map.

TIN IN MALAY PENINSULA. E. & M. J., vol. 47, p. 48. ½ column.

LODE TIN MINING IN THE MALAY PENINSULA. Min. & Sci. Press, vol. 77, p. 580. 1½ columns.

TIN LODE DEPOSITS IN THE MALAY PENINSULA. Tin Deposits of the World, p. 56. 11 pages. I.

NOTES ON LODE TIN MINING IN THE MALAY PENINSULA. By W. H. Derrick. T. I. M. & M., vol. 7, p. 12. 7 pages.

MONAZITE TIN ORE IN FEDERATED MALAY STATES. E. & M. J., vol. 82, p. 918. 1 column.

THE TIN-DEPOSITS OF THE KINTA VALLEY, FEDERATED MALAY STATES. By W. R. Rumbold. T. A. I. M. E., vol. 37, p. 879. 12 pages. I.

TIN MINING IN THE STRAITS SETTLEMENTS. By W. T. Saunders. T. I. M. E., vol. 27, p. 343. 8½ pages.

LODE TIN IN THE MALAY PENINSULA. By W. H. Derrick. E. & M. J., vol. 68, p. 784. 1½ columns.

A BRIEF ACCOUNT OF THE MALAY TIN INDUSTRY. By T. Tlower-Ellis. P. C. & M. Soc. S. A., vol. 2, p. 5. 13½ pages.

THE COAL-FIELDS OF MALAYSIA. By J. A. Hooze. T. F. I. M. E., vol. 3, p. 323. 36 pages. I. Maps.

COAL IN BRUNEL, BORNEO. By D. G. Durnford. E. & M. J., vol. 59, p. 579. ¾ column.

THE COAL-FIELDS OF LABUAN, BORNEO. By R. Fisher. T. F. I. M. E., vol. 7, p. 587. 14 pages.

COAL MINING IN BORNEO. By J. Roden. T. I. M. E., vol. 28, p. 236. 8½ pages.

NOTES ON THE REDJANG-LEBONG MINE, SUMATRA. By J. H. Ivey. T. I. M. & M., vol. 12, p. 340. 11 pages.

THE OCCURRENCE OF PLATINUM IN WOLLASTONITE ON THE ISLAND OF SUMATRA, NETHERLANDS, EAST INDIES. By L. Hundeshagen. T. I. M. & M., vol. 13, p. 550. 3 pages.

MINING IN NEW GUINEA. E. & M. J., vol. 81, p. 1132. 1 column.

MINERALS IN NORTH BORNEO. E. & M. J., vol. 75, p. 715. ½ column.

MINING AT SELANGOR, MALAY PENINSULA. By H. H. Noyes. E. & M. J., vol. 82, p. 1. 2¼ columns.

MINING IN THE MALAY PENINSULA. By H. M. Becher. T. I. M. & M., vols. 1 and 2, p. 79.

MINERAL FEATURES OF PAHANG, MALAY PENINSULA. By F. J. Stephens. T. I. M. & M., vol. 9, p. 419. 4 pages.

MANGANESE ORE IN BORNEO. E. & M. J., vol. 82, p. 108. 1 column.

Florida

FLORIDA PHOSPHATES: Methods of Mining. By F. Wyatt. E. & M. J., vol. 53, p. 130, 2½ columns, I.; p. 202, 4¼ columns, I.; p. 380, 2 columns.

FLORIDA PEBBLE AND NODULAR PHOSPHATE OF LIME. By E. T. Cox. E. & M. J., vol. 52, p. 359. 2¼ columns.

GEOLOGY OF FLORIDA PHOSPHATE DEPOSITS. E. & M. J., vol. 51, p. 210. 1⅓ columns.

SUGGESTIONS AS TO THE ORIGIN AND DEPOSITION OF FLORIDA PHOSPHATES. E. & M. J., vol. 51, p. 628. 2¼ columns. I.

NOTES FROM THE FLORIDA PHOSPHATE FIELDS. E. & M. J., vol. 52, p. 592, 1 column; p. 612, 2 columns; p. 642, 2 columns; p. 674, 1 column; p. 697, ⅓ column.

FLORIDA LAND PEBBLE PHOSPHATE. By W. B. Phillips. E. & M. J., vol. 69, p. 201. 2 columns.

NOTES ON THE GEOLOGY OF THE FLORIDA PHOSPHATES. By N. H. Darton. Am. Jour. Sci., 3d series, vol. 41, pp. 102–105. 1891.

A PRELIMINARY SKETCH OF THE PHOSPHATES OF FLORIDA. By G. H. Eldridge. T. A. I. M. E., vol. 21, p. 196.

NOTES ON FLORIDA PHOSPHATE BEDS. By F. Wyatt. E. & M. J., vol. 50, p. 218. 3 columns. I.

THE PHOSPHATE BEDS OF FLORIDA. By A. R. Ledoux. E. & M. J., vol. 49, p. 175. 5 columns.

THE FLORIDA PEBBLE-PHOSPHATES. By E. W. Codington. T. A. I. M. E., vol. 25, p. 423.

THE FLORIDA ROCK-PHOSPHATE DEPOSITS. By G. M. Wells. T. A. I. M. E., vol. 25, p. 163.

FULLER'S EARTH DEPOSITS OF FLORIDA AND GEORGIA. U. S. G. S., Bull. No. 213, pp. 392–399. 1903.

Fuller's Earth of Southwestern Georgia and Florida. By T. W. Vaughan. U. S. G. S., Mineral Resources for 1901, pp. 922–934. 1902.

France

Gold in France. Whitney's Metallic Wealth of the United States, p. 95. 1 page.

La Gordette: The History of a French Gold-Mine. By T. A. Rickard. T. A. I. M. E., vol. 21, p. 79.

A New French Coal-Field. E. & M. J., vol. 80, p. 1072. 1 column.

The Lens Collieries. By M. W. Brown. T. F. I. M. E., vol. 3, p. 1021. 8 pages. I.

The Aniche Collieries, Nord, France E. & M. J., vol. 60, p. 4. 1 column.

Possible Extensions of the Coal-Fields of France. By J. Bergeron. T. F. I. M. E., vol. 12, p. 335. 26 pages. I.

Mining in France. E. & M. J., vol. 74, p. 81. 2½ column.

The Minette Iron-Ore District of France. E. & M. J., vol. 80, p. 919. ½ column.

The Manganese Mines of Las Cobesses, Pyrenees, France. By C. A. Moreing. T. I. M. & M., vol. 2, pp. 250 and 264.

The Mines of the Chalanches, France. By T. A. Rickard. T. A. I. M. E., vol. 24, p. 689.

The Oil-Shale Industry of France. By G. Chesneau. T. F. I. M. E., vol. 7, p. 180. 25 pages. I.

Georgia

Dahlonega District, Georgia: A Description of Its Location, and the Geology of the Gold and Pyrite Deposits as Shown in Some of the Mines Now Working. By E. C. Eckel. M. & M., June, 1903, p. 493. 4 columns.

Gold and Pyrite Deposits of the Dahlonega District, Georgia. By E. C. Eckel. U. S. G. S., Bull. No. 213, pp. 57–63. 1903.

The Gold Mining Industry in Georgia and Alabama. By W. M. Brewster. E. & M. J., vol. 61, p. 617. 2 columns. I.

The Villa Rica Mining District, Georgia. By W. M. Brewer. E. & M. J., vol. 63, p. 483, 1 column; p. 665, ½ column.

The Gold-Regions of Georgia and Alabama. By W. M. Brewer. T. A. I. M. E., vol. 25, p. 569.

The Crown Mountain Gold Mine and Mill, Georgia. By H. V. Maxwell. E. & M. J., vol. 72, p. 355. 2 columns. I.

The Southern Goldfields. E. & M. J., vol. 48, p. 495. ½ column.

Gold Mining in Georgia. By W. M. Brewer. E. & M. J., vol. 63, p. 280. 1⅓ columns.

New Gold Placers in Georgia. E. & M. J., vol. 78, p. 875. ½ column.

Gold-Fields of the South: The Regions of Georgia and Alabama in which Gold Deposits are Found. By W. M. Brewer. Coll. Engr. & Met. Miner, vol. 17, p. 333. 5 columns. I.

Georgia's Gold Mines. Min. & Sci. Press, vol. 33, p. 330. ½ column.

The Georgia Gold Fields. Min. & Sci. Press, vol. 28, p. 274. ¾ column.

Gold Mining in Georgia. By P. H. Mell. E. & M. J., vol. 26, p. 97, 1½ columns; p. 116, 1 column; p. 170, ¾ column; p. 206, 1 column; p. 243, 1 column; p. 296, 1½ columns; vol. 24, p. 258, 2½ columns, I.; p. 275, 1 column.

The Gold Mining District of Dahlonega, Georgia. By J. B. Mackintosh. E. & M. J., vol. 27, p. 258, 1 column, I.; and p. 275, ¼ column. Map.

Gold Mining and Milling in Georgia. By H. V. Croll. Min. & Sci. Press, vol. 80, p. 121. 3 columns. I.

The Georgia Gold Belt. By F. M. Scofield. Min. & Sci. Press, vol. 86, p. 304. ⅔ column.

The Dahlonega Gold Mining District. By W. M. Brewer. E. & M. J., vol. 58, p. 559. 2 columns. I.

The Cartersville Mining District, Georgia. By W. M. Brewer. E. & M. J., vol. 63, p. 575. 1 column.

Vein-Structure at the Reynolds Mine, Georgia. By G. E. Collins. E. & M. J., vol. 72, p. 68. 3½ columns. I.

Vein-Structure at the Reynolds Mine, Georgia. By G. E. Collins. T. I. M. & M., vol. 9, p. 365. 14 pages. I.

Gold Mining Developments in Georgia. By W. Colvin. E. & M. J., vol. 71, p. 117. 3¾ columns. I.

Copper Deposits in Georgia. U. S. G. S., Bull. No. 225, pp. 180–181. 1904.

Notes on the Seminole Copper Deposits of Georgia. By T. L. Watson. U. S. G. S., Bull. No. 225, pp. 182–186.

Occurrence and Development of Ocher Deposits in the Cartersville District, Georgia. By C. W. Hayes and E. C. Eckel. U. S. G. S., Bull. 213, pp. 427–432. 1903.

The Yellow Ocher Mines of the Cartersville District, Georgia. By R. H. Couper. E. & M. J., vol. 69, p. 738. ½ column.

The Yellow-Ocher Deposits of the Cartersville District, Bartow County, Georgia. By T. L. Watson. T. I. M. E., vol. 34, p. 643.

Geological Relations of the Iron Ores in the Cartersville District, Georgia. By C. W. Hayes. T. A. I. M. E., vol. 30, pp. 403–419. 1901.

Manganese Ores of the Cartersville District, Georgia. By C. W. Hayes. Bulletin U. S. Geol. Survey No. 213, p. 232. 1903.

Iron Ores of the Cartersville District, Georgia. By C. W. Hayes and E. C. Eckel. Bulletin U. S. Geol. Survey No. 213, pp. 233–242. 1903.

Some Notes on the Brown Iron Ores of Georgia. By S. W. McCallie. E. & M. J., vol. 69, p. 255. 3 columns. I.

Bauxite in Georgia. By A. W. Evans. M. & M., June, 1902, p. 481. 4 columns.

Bauxite Mining in Georgia: Description of Methods Employed in Mining, Washing and Drying the Ores; also Analyses of Georgia and French Ores. By A. W. Evans. M. & M., June, 1902, p. 481. 4 columns.

Kaolins and Fire Clays of Central Georgia. By O. Veatch. U. S. G. S., Bull. No. 315, pp. 303–314. 1907.

Kaolin Mining in Georgia. By O. Veatch. E. & M. J., vol. 83, p. 278. 5 columns. I.

Geological Relations of the Manganese-Ore Deposits of Georgia. By T. L. Watson. T. I. M. E., vol. 34, pp. 207, 968.

Fuller's Earth of Southwestern Georgia and Florida. By T. W. Vaughan. U. S. G. S., Mineral Resources for 1901, pp. 922–934. 1902.

Fuller's Earth Deposits of Florida and Georgia. By T. W. Vaughan. U. S. G. S., Bull. No. 213, pp. 392–399. 1903.

Some Georgia Marble Quarries. E. & M. J., vol. 60, p. 515. 1½ columns. I.

Corundum Deposits of Georgia. E. & M. J., vol. 59, p. 558. ⅞ column.

Germany

The Silver Mines of Saxony. Am. Jour. Min., vol. 1, p. 258. ¾ column.

Gold in Germany. Whitney's Metallic Wealth of the U. S., p. 92. 1 page.

Silver Production of Germany. E. & M. J., vol. 51, p. 112. ½ column.

The Silesian Zinc Industry. By G. P. Scholl. Min. Mag., vol. 12, p. 206. 14 columns.

The Zinc Industry of Upper Silesia. E. & M. J., vol. 76, p. 120. 1 column.

Origin of the Nickel Ore Deposits of the Black Forest, Germany. By A. W. G. Bleeck. E. & M. J., vol. 83, p. 418. 1½ columns.

The Nickel Deposits of Sohland, Saxony. By W. H. Weed. E. & M. J., vol. 77, p. 363. 2⅔ columns. I.

A New Nickel Deposit in Saxony. By R. Beck. E. & M. J., vol. 75, p. 329. 1½ columns.

The Upper Silesian Coal Field. By C. Gaebler. E. & M. J., vol. 65, p. 373. ⅓ column.

The Westphalian Coal-Field in Germany. By A. Kowatsch. E. & M. J., vol. 62, p. 585. 2 columns.

The Potassium Salts Industry of Germany. By E. Macky-Heriot. E. & M. J., vol. 72, p. 462. 2½ columns.

Potassium Mining Near Hannover, Germany. E. & M. J., vol. 68, p. 753. Note.

Luxemburg and Its Iron-Ore Deposits. By J. W. Pearse. T. I. M. E., vol. 25, p. 580. 12 pages.

The Stassfurt Region Salt Deposits in Germany, with Special Reference to Potassium and Magnesium Salts. By H. B. Nitze. M. & M., vol. 19, p. 521. 3½ columns. I.

Mines on the Lahn in Nassau, Germany. By J. W. Meier. E. & M. J., vol. 54, p. 414, 1½ columns, I.; p. 437, 1½ columns, I.

Mills on the Lahn, Nassau, Germany. E. & M. J., vol. 54, p. 557. 2 columns. I.

Greece

Mining in Greece. Am. Jour. Min., vol. 7, p. 24. 1¾ columns.

Copper Deposits of Limogrardi, Greece. E. & M. J., vol. 59, p. 11. Note.

Honduras

Mining in Honduras. By H. G. Nichols. Min. & Sci. Press, vol. 94, p. 603. 6⅞ columns. I.

Honduras, Mines and Minerals of. By F. J. Nagel. Min. Mag., vol. 13, p. 567. 5 columns. I.

Notes of Honduras. Min. & Sci. Press, vol. 56, p. 86. 2¾ columns.

Mining in Honduras. By W. A. Thatcher. T. A. I. M. E., vol. 20, p. 394.

Notes on the Rosario Mine at San Juancito, Honduras, Central America. By T. H. Leggett. T. A. I. M. E., vol. 17, p. 432.

Discovery of Coal in Honduras. M. & M., Mar., 1904, p. 387.
See Central America.

Idaho

Thunder Mountain District: A Description of the Peculiarities of Geology and Situation of the Various Regions Comprised in the District. By Wm. E. L'Hame. M. & M., Dec., 1903.

Facts About Thunder Mountain. By Robt. Bell. E. & M. J., vol. 74, p. 273. 8 columns. I.

Thunder Mountain and Mackay, Idaho. By R. Bell. Min. & Sci. Press, vol. 84, p. 62. 4 columns.

The Thunder Mountain Mining District, Idaho. By W. H. Hill. E. & M. J., vol. 73, p. 135. 2 columns. Map.

Notes on Thunder Mountain, Idaho. E. & M. J., vol. 78, p. 392. 5 columns.

The Mining Districts of the Idaho Basin and the Boise Ridge, Idaho. U. S. G. S., 18th Ann. Rept., 1898, pt. 3, pp. 625–736.

The Gold and Silver Veins of Silver City, De Lamar, and Other Mining Districts in Idaho. U. S. G. S., 20th Ann. Rept., 1900, pt. 3, pp. 75–256.

Observations on Mining in Thunder Bay District. By P. MacKellar. T. F. C. M. I., vol. 1, p. 13. 3 pages.

The American Hill Placer Mine, Idaho. By E. Juessen. E. & M. J., vol. 64, p. 635. 1 column. I.

The Boise Basin in Idaho. By J. B. Hastings. E. & M. J., vol. 58, p. 56. 1½ columns. I.

The Pearl District, Idaho. E. & M. J., vol. 77, p. 1042. 2¼ columns.

The Wood River District, Idaho. E. & M. J., vol. 77, p. 1006. 2 columns.

Notes from the Cœur d'Alene, Idaho. E. & M. J., vol. 77, p. 923. 5⅓ columns. I.

The Atlanta Lode, Idaho. By J. B. Hastings. E. & M. J., vol. 59, p. 128. ⅔ column.

The Little Giant Mine at Warren, Idaho. By W. H. Hill. E. & M. J., vol. 62, p. 417. ½ column. I.

The Deadwood Placer Claims, Idaho. By W. H. Hill. E. & M. J., vol. 60, p. 225. 1 column. I.

Some Idaho Mining Districts: The Geological Characteristics of the State and a Description of the Mines of the Hailey Gold Belt and the De Lamar District. By A. Lakes. M. & M., Dec., 1901, p. 203. 7¾ columns.

The Twin-Springs Placer Company, Idaho. By H. L. J. Warren. E. & M. J., vol. 68, p. 395. 2⅔ columns. I.

Wood River, Idaho, Silver-Lead Mines. By W. P. Blake. E. & M. J., vol. 44, p. 2. 1 column.

Silver City District, Idaho. E. & M. J., vol. 77, p. 885. 4 columns. I.

In Boise Basin, Idaho. E. & M. J., vol. 78, p. 297. 3½ columns. I.

The Gold Belt of Idaho. E. & M. J., vol. 60, p. 172. 1¼ columns.

The Deepest Mine in Idaho: The Ramshorn, at Bayhorse. By R. N. Bell. M. & M., vol. 21, p. 174. 4½ columns.

Mount Caribou Gold Deposits: A Description of the Teton Mountain Country of Idaho and the Formations of the Ores Found in Them. By A. Lakes. M. & M., vol. 19, p. 55. 2 columns. I.

Gold Mining at Gibbonsville, Idaho. By Don Maguire. M. & M., vol. 19, p. 277. 2 columns.

Dredging for Fine Gold in Idaho. By R. Bell. E. & M. J., vol. 73, p. 241. 4 columns. I.

Central Idaho Gold Field. By Don Maguire. M. & M., vol. 19, p. 289. 5½ columns. I.

The Placer Fields of Custer County, Idaho. By C. C. Clowson. E. & M. J., vol. 69, p. 441. 2 columns.

The Priest Lake Mining District, Idaho. By W. M. Courtis. E. & M. J., vol. 82, p. 866. 1¾ columns.

The Murray Gold Belt, Idaho. By T. L. Lammers. Min. & Sci. Press, vol. 94, p. 636. 2⅔ columns.

The Hercules Mill, Idaho. By Scott Turner. Min. & Sci. Press, vol. 94, p. 568. 4¼ columns. D.

South Mountain, Idaho. By R. N. Bell. E. & M. J., vol. 83, p. 283. 4 columns. I.

The Mining Districts of the Idaho Basin and the Boise Ridge, Idaho. U. S. G. S., 18th Ann. Rept., pt. 3, pp. 625–736. 1898.

The Gold and Silver Veins of Silver City, De Lamar, and Other Mining Districts in Idaho. U. S. G. S., 20th Ann. Rept., pt. 3, pp. 75–256. 1900.

The Bellevue Mining District of Idaho. By A. Lakes. M. & M., Jan., 1903, p. 271. 3½ columns.

The Boise (Idaho) Basin Mining District. By R. Nye. Min. & Sci. Press, vol. 81, p. 400. 3 columns.

The Gold of the Snake River. By R. N. Bell. Min. & Sci. Press, vol. 94, p. 542. 3¼ columns. I.

Snake River Gold-Fields of Idaho. By Don Maguire. M. & M., vol. 20, p. 56. 5 columns. I.

Buffalo Hump, Idaho. Min. & Sci. Press, vol. 82, p. 105. ¾ column.

The Buffalo Hump Mining Camp, Idaho. By C. L. Whittle. E. & M. J., vol. 68, p. 215. 3 columns.

Buffalo Hump, Idaho. By Don Maguire. M. & M., vol. 20, p. 129. 3 columns.

Buffalo Hump, Idaho: Facts about a Mining Region which is Attracting Great Attention and which Promises Well. By D. G. Doubleday. M. & M., vol. 21, p. 296. 5 columns. I.

The Seven Devils, Idaho. Min. & Sci. Press, vol. 83, p. 4. 2½ columns. I.

The Seven Devils Mining District, Idaho. By W. Beals, Jr. E. & M. J., vol. 69, p. 345. 3 columns. I.

Ore Deposits of the St. Joe River Basin, Idaho. By A. J. Collier. U. S. G. S., Bull. No. 285, pp. 129–139. 1906.

The Copper Deposits of the "Seven Devils," Idaho. By W. Lindgren. Min. & Sci. Press, vol. 78, p. 125. 1899.

The Seven Devils and Snake River Districts, Idaho and Oregon. By G. D. Reid. E. & M. J., vol. 84, p. 401. 6 columns. I.

Geology and Ore Deposits of the Cœur d'Alene District, Idaho. By F. L. Ransome and F. C. Calkins. U. S. G. S., Prof. Paper No. 62.

The Mining Industry of the Cœur d'Alenes, Idaho. By J. R. Finlay. T. A. I. M. E., vol. 33, p. 235.

The Cœur d'Alene District. By F. L. Ransome. Min. Mag., vol. 12, p. 26. 14 columns. I. Map.

Cœur d'Alene Mining District, Idaho. By A. Lakes. M. & M., vol. 20, p. 303. 3½ columns. I.

Cœur d'Alene Mining Region: Facts in Regard to the Development of the Country and the Forms in which the Minerals are Found. By W. C. Clark. M. & M., July, 1900, p. 561. 2½ columns.

The Cœur d'Alene Silver-Lead Mines. By J. E. Clayton. E. & M. J., vol. 45, p. 108. 2½ columns.

The Cœur d'Alene District. E. & M. J., vol. 77, p. 13. 1 column.

The Mining Industry of the Cœur d'Alenes, Idaho. By J. R. Finlay. T. A. I. M. E., vol. 33, p. 235.

Cœur d'Alene Mining Region. By A. Lakes. M. & M., vol. 20, p. 303. 3½ columns. I.

Progress in the Cœur d'Alene. Min. & Sci. Press, vol. 94, p. 243. 5 columns. I.

The Mining Industry of the Cœur d'Alene District, Idaho. By J. R. Finlay. M. & M., May, 1904, p. 497. 4 columns. I.

Mining in the Cœur d'Alene District, Idaho. By J. P. Rowe. M. & M., vol. 28, p. 549. 4 columns. I.

Ore Deposits of the Cœur d'Alene District, Idaho. By F. L. Ransome. U. S. G. S., Bull. No. 260, pp. 274–303. 1905.

THE SNOWSTORM COPPER MINE, IDAHO. By R. N. Bell. E. & M. J., vol. 83, p. 282. 1 column.

THE COPPER DEPOSITS OF THE "SEVEN DEVILS," IDAHO. By W. Lindgren. Min. & Sci. Press, vol. 78, p. 125. 2⅛ columns.

CŒUR D'ALENE COPPER DISTRICT. By W. C. Clark. M. & M., May, 1902, p. 462. 1 column.

THE ANTIMONY BELT IN THE CŒUR D'ALENES. By J. J. O'Leary. E. & M. J., vol. 83, p. 284. 1 column.

GRAPHITIC ANTHRACITE IN THE PARKER MINE, WOOD RIVER, IDAHO. By W. P. Jenney. Sch. Mines Quart., vol. 10, p. 313. 3 pages. I.

MINING NOTES ON IDAHO. E. & M. J., vol. 6, p 2. 4 columns.

THE NORTHERN MINES, IDAHO. Min. & Sci. Press, vol. 13, p. 75. 1 column.

MINING NEAR BOISE CITY, IDAHO. Min. & Sci. Press, vol. 13, p. 79. ¾ column.

MINES OF IDAHO. Min. & Sci. Press, vol. 13, p. 114. ⅝ column.

BLAINE COUNTY, IDAHO. Min. & Sci. Press, vol. 82, p. 293. 2¼ columns.

Illinois

A MODERN COAL MINE: Midland Coal Co., Ill. By M. F. Peltier. E. & M. J., vol. 82, p. 1212. 7 columns. I. Map.

COAL MINING IN EASTERN ILLINOIS. By F. W. Pasons. E. & M. J., vol. 83, p. 336. 7 columns. I.

A MODERN ILLINOIS COAL PLANT. M. & M., vol. 28, p. 97. 7 pages. I.

RECENT WORK IN THE COAL FIELDS OF INDIANA AND ILLINOIS. By M. L. Fuller and G. H. Ashley. U. S. G. S., Bull. No. 213, pp. 284–293. 1903.

THE EASTERN INTERIOR COAL FIELD (Ill. and Ind.). By G. H. Ashley. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 265–306. 1901.

THE COALS OF ILLINOIS. By S. W. Parr. E. & M. J., vol. 81, p. 86. 3½ columns.

MINE NO. 2, ST. LOUIS and O'FALLON COAL CO., ILLINOIS. M. & M., vol. 26, p. 481. 6¼ columns. I.

THE ILLINOIS COAL FIELD. By G. S. Rice. Min. Mag., Mar., 1905, p. 237.

THE WESTERN INTERIOR COAL FIELDS. By H. F. Bain. U. S. G. S., 22d Ann. Rept., 1900–1901, Part III, Coal, Oil, Cement. Map.

AN ILLINOIS MACHINE COAL MINE. E. & M. J., vol. 63, p. 139. 3½ columns. I.

THE WILMINGTON, ILL., COAL FIELD. By J. Johnson. T. A. I. M. E., vol. 3, p. 188.

MINE NO. 17, CONNELLSVILLE, ILL. By C. H. Smith. M. & M., vol. 28, p. 16. 2 columns. I.

AN ILLINOIS OPEN-CUT COAL MINE. E. & M. J., vol. 63, p. 165. ½ column. I.

NEW PLANT AT SHAFT NO. 5 OF THE SPRING VALLEY COAL CO., AT SPRING VALLEY, ILL. By A. Dinsmore. M. & M., Feb., 1902, p. 289. 6 columns.

AN ILLINOIS COAL-FIELD: Northeast District. By A. Dinsmore. M. & M., vol. 20, p. 106. 5 columns. I.

COAL MINES AT STREATOR: An Interesting Description of the Important Coal Fields and Mines in La Salle Co., Ill. By A. Dinsmore. M. & M., vol. 21, p. 145. 5 columns. I.

THE FOSSIL FUELS OF ILLINOIS AND THEIR EXPLOITATION. E. & M. J., vol. 44, p. 24. 1¾ columns.

THE LONG-WALL COAL-MINING REGION OF GRUNDY CO., ILL. E. & M. J., vol. 62, p. 487. 2 columns. I.

LEAD AND ZINC DEPOSITS OF ILLINOIS. By H. F. Bain. U. S. G. S., Bull. No. 225, pp. 202–207. 1904.

FLUORSPAR DEPOSITS OF SOUTHERN ILLINOIS. By S. F. Emmons. T. A. I. M. E., vol. 21, pp. 31–53. 1893.

Fluorspar Deposits of Southern Illinois. By H. F. Bain. U. S. G. S., Bull. No. 225, pp. 505–511. 1904.

The Fluorspar and Zinc Mines of Kentucky and Illinois. By F. H. Harwood. Min. & Sci. Press., vol. 86, p. 87, 1 column; and p. 101, 3 columns.

The Stone Industry in the Vicinity of Chicago, Ill. By W. C. Alden. U. S. G. S., Bull. No. 213, pp. 357-360. 1903.

Mining Hydraulic Limestone in La Salle County, Ill. Min. & Sci. Press, vol. 50, p. 105. 4 columns. I.

Iowa

Zinc and Lead in Iowa. By S. W. Beyer. E. & M. J., vol. 73, p. 586. ¾ column.

The Dubuque Lead and Zinc Mines. By H. F. Bain. M. & M., vol. 20, p. 10. 4½ columns. I.

Lead and Zinc Deposits of Iowa. By A. G. Leonard. E. & M. J., vol. 61, p. 614. 1¾ columns.

Lead and Zinc: A Description of the Mines of Iowa in the Upper Mississippi Region. By A. G. Leonard. Coll. Engr. & Met. Miner, vol. 17, p. 121. 4 columns. I.

Appanoose County, Coal Field, Iowa. By J. J. Rutledge. M. & M., vol. 21, p. 345. 3 columns.

The Coal Measures of Iowa. By C. R. Keyes. E. & M. J., vol. 57, p. 269, 3 columns, I.; p. 295, 4 columns, I.; p. 317, 2 columns. I.

The Coal Supplies of Polk County, Iowa. By F. Davis. E. & M. J., vol. 59, p. 149. 2 columns.

Iowa's Iron Mine. By S. W. Beyer. E. & M. J., vol. 73, p. 275. 4½ columns. I.

Notes on Iowa Building Stones. By H. F. Bain. U. S. G. S., 16th Ann. Rept., pt. 4, pp. 500–503. 1895.

The Cedar Valley Quarry, Iowa. By S. Calvin. E. & M. J., vol. 61, p. 544. 2 columns. I.

Indiana

Gold in Indiana. Eighth, Ninth and Tenth Ann. Repts., 1879. E. T. Cox, State Geologist.

Thirteenth Ann. Rept., 1883, J. Collett, State Geologist, folio 81.

Gold in Indiana. First Ann. Rept. of the State Geologist, 1869, folio 190.

Sixth Ann. Rept., 1875, E. T. Cox, State Geologist, folio 107.

Seventh Ann. Rept., 1876, E. T. Cox, State Geologist, folio 178.

Indiana Gold Mines. Min. & Sci. Press, vol. 27, p. 241. ⅔ column.

A New Gold Field. E. & M. J., vol. 66, p. 573.

Indiana Silver Mines. Min. & Sci. Press, vol. 56, p. 102. ¼ column.

Iron Ores in Indiana. E. & M. J., vol. 84, p. 770. 1 column.

Coal Mining in Indiana. By G. H. Ashley. M. & M., vol. 20, p. 246. 6 columns. I.

Iron Ore Deposits in Indiana. By W. S. Batchley. E. & M. J., vol. 74, p. 713. 2½ columns. I.

The Coal Industry in Indiana. E. & M. J., vol. 83, p. 290. 2 columns.

Mining Indiana Coal: The Profitable Amount to Mine from the "L" Seam. — How to Mine It and Prevent Creeps and Squeezes. By P. J. Mooney. M. & M., vol. 18, p. 439. 2¾ columns. I.

The Block Coal Region of Indiana. E. & M. J., vol. 63, p. 162. 1 column.

The Ohio and Indiana Coal-Fields. By G. H. Ashley. Min. Mag., Mar., 1905, p. 233.

Coal Mining in Indiana: The Geological Features of the Coal Field and a Description of Methods of Working. By G. H. Ashley. M. & M., vol. 20, p. 202, 7½ columns, I.; and p. 246, 6 columns. I.

E. & M. J., vol. 80, p. 254. 1½ columns.

Asphalt, Oil and Gas in Southwestern, Indiana. By M. L. Fuller. U. S. G. S., Bull. No. 213, pp. 333–335. 1903.

The Natural Gas Field of Indiana, with an Introduction by W. J. McGee on Rock Gas and Related Bitumens. By A. J. Phinney. U. S. G. S., 11th Ann. Rept., pt. 1, pp. 579–742. 1891.

Glass-Sand Industry of Indiana, Kentucky, and Ohio. U. S. G. S., Bull. 315, pp. 361–376. 1907.

The Bedford Oolitic Limestone [Indiana]. By C. E. Siebenthal. U. S. G. S., 19th Ann. Rept., pt. 6, pp. 292–296. 1898.

The Bedford Oolitic Limestone of Indiana. By T. C. Hopkins and C. E. Siebenthal. U. S. G. S., 18th Ann. Rept., pt. 5, pp. 1050–1057. 1897.

The Sandstones of Western Indiana. By T. C. Hopkins. U. S. G. S., 17th Ann. Rept., pt. 3, pp. 780–787. 1896.

India

Notes upon Gold-Mining in Burma. By A. H. Bromly. T. F. I. M. E., vol. 12, p. 507. 7 pages.

Gold in India. M. & M., vol. 27, p. 293. ½ column.

Gold Mining in India. By A. M. Smith. T. I. M. & M., vols. 1 and 2, p. 313.

Min. Mag., vol. 11, p. 464. 2 columns.

The Mineral Wealth of Kuku, India. E. & M. J., vol. 50, p. 194. ⅔ column.

The Auriferous Rocks of India, Western Australia and South Africa. By J. M. Maclaren. T. I. M. & M., vol. 16, p. 2. 26 pages.

Notes on the New Dharwar Gold Field of India. By R. O. Ahlers. T. I. M. & M., vol. 14, p. 442. 15 pages. I.

The Indian Gold-Fields. By A. G. Charleton. T. F. I. M. E., vol. 11, p. 345. 24 pages.

Gold Mining in India. By A. M. Smith. E. & M. J., vol. 56, p. 81. ¾ column.

Gold in Upper Burmah. Min. & Sci. Press, vol. 25, p. 56. 1½ columns. I.

An India Silver Field. E. & M. J., vol. 14, p. 241. 1½ columns.

The Diamond Mines of India. By A. M. Smith. E. & M. J., vol. 53, p. 454. 1⅙ columns.

The Ruby Mines of Burma. By T. T. Wynne. T. I. M. & M., vol. 5, p. 161.

Silver-Lead Mining and Smelting in Burma. E. & M. J., vol. 45, p. 342. 1½ columns.

The Ruby Mines of Burma. By T. T. Wynne. E. & M. J., vol. 63, p. 601. 2 columns.

Ruby Mining in Burmah. E. & M. J., vol. 49, p. 636. ½ column.

The Copper and Tin Deposits of Chota-Nagpore, Bengal, India. By R. Oates. T. F. I. M. E., vol. 9, p. 427. 25 pages. I.

Note on the Copper Mines of Singhbhoom, India. By H. Harris. E. & M. J., vol. 57, p. 345. ½ column.

The Singhbhoom Copper Mines in India. E. & M. J., vol. 67, p. 407. ½ column.

The Bengal Coalfields, and Some Methods of Pillar-Working in Bengal, India. By G. A. Stonier. T. I. M. E., vol. 28, p. 537. 20 pages. I.

A Colliery in Central India. E. & M. J., vol. 24, p. 401. ⅔ column.

Indian (India) Coal. Engineering, London, vol. 72, p. 222. 2 columns.

Coal-Mining in India. By R. W. Clarke. T. I. M. E., vol. 22, p. 184. 8 pages.

An Indian Colliery and Its Miners. By H. M. Cadell. T. I. M. E., vol. 19, p. 60. 8 pages.

Singarein Coal-Field, Hyderabad, India. By J. P. Kirkup. T. F. I. M. E., vol. 6, p. 421. 28 pages.

Coal-Mining in Assam, India. By G. Turner. T. F. I. M. E., vol. 10, p. 356. 8 pages. I.

Coal Mining in India. E. & M. J., vol. 59, p. 219. ½ column.

The Coal Fields of India. E. & M. J., vol. 60, p. 201. ½ column.

An Indian Colliery and Its Miners. By H. M. Cadell. M. & M., Sept., 1901, p. 81. 4 columns.

Coal Mining in India. M. & M., Dec., 1902, p. 201. 1 column.

The Makum Coal-Field in Assam. By G. E. Harris. E. & M. J., vol. 71, p. 116. 1⅙ columns.

Mica Mining in Bengal, India. By A. M. Smith. T. I. M. & M., vol. 7, p. 168. 6 pages.

Mica Mining in Bengal, India. By A. M. Smith. E. & M. J., vol. 68, p. 246. 1⅓ columns.

Mica Mining in India. E. & M. J., vol. 65, p. 314. 1 column.

Prospects of the Indian Manganese Industry. By A. Ghose. E. & M. J., vol. 84, p. 919. 2 columns.

Manganese Ore in India. E. & M. J., vol. 63, p. 513, ½ column; vol. 78, p. 674, ⅔ column.

Magnesite in India. E. & M. J., vol. 66, p. 669. 1 column.

The Iron Ores of India. E. & M. J., vol. 61, p. 518. ½ column.

The Alluvial Tin Deposits of Banca, Billiton, Siaka, Siam, and British Burma. Tin Deposits of the World, p. 31. 14 pages. I.

Arsenic in India. E. & M. J., vol. 74, p. 784. 1 column.

Graphite Mining in Ceylon and India. By G. A. Stonier. T. I. M. E., vol. 27, p. 536. 10 pages. I.

Minerals and Metalliferous Lodes of Kulu and Lahaol, Kangra District, Punjab Himalayas. By F. C. Hughes. T. I. M. & M., vol. 16, p. 238. 3½ pages.

Mineral Deposits of British Burmah. Min. & Sci. Press, vol. 46, p. 374. 1 column.

Geology and Mineral Resources of Kumaon and Garhwal, Northwest Provinces of British India. By F. J. Stephens. T. I. M. & M., vol. 10, p. 393. 24 pages. I. Map.

The Mineral Resources of India. By S. C. Rudra. Min. Mag., Sept., 1904, p. 201. 3½ columns.

Ireland

Bibliography of Gold in Great Britain and Ireland. T. I. M. E., vol. 25, p. 501.

The Occurrence of Gold in Great Britain and Ireland. By J. M. Maclaren. T. I. M. E., vol. 25, p. 435, 74 pages. I.

Notes on Copper Mining in the Vale of Avoca, County Wicklow, Ireland. By E. H. Davies. T. I. M. & M., vol. 12, p. 195. 18 pages. I.

Notes on the Berehaven Copper Mines, Ireland. By G. H. Blenkinsop. T. I. M. & M., vol. 12, p. 213. 11 pages.

The Iron and Copper Mines of Ireland. Min. & Sci. Press, vol. 26, p. 218. ¾ column.

Coal in Ireland. E. & M. J., vol. 68, p. 246. ½ column.

Notes on Mining in Ireland. By G. H. Kinahan. T. I. M. E., vol. 26, p. 265. 30 pages.

Mines in Ireland. E. & M. J., vol. 84, p. 251. ⅔ column.

Italy

Gold Mines of the Tiber, Italy. Min. & Sci. Press, vol. 49, p. 199. ⅓ column.

Notes About the Etruscan Mines, Italy. By T. Haupt. E. & M. J., vol. 49, p. 224. ⅓ column.

The Sulphur Mines of Italy. E. & M. J., vol. 22, p. 169. 1⅓ columns.

Sulphur Mines of Sicily. By C. Ledoux. E. & M. J., vol. 20, p. 407. 2½ columns.

The Sulphur Mines of Sicily. Coll. Engr., vol. 9, p. 61 ½. column.

The Sulphur Mines of Sicily. E. & M. J., vol. 46, p. 174, 1⅔ columns; p. 192, 2 columns.

The Etrofu Sulphur Deposits. E. & M. J., vol. 71, p. 211. ½ column.

The Sulphur Mines of Italy. By E. Bignami. Eng. Mag., Nov., 1904, and Min. Mag., Jan., 1905, p. 61. 4 columns.

Zinc Deposits of Iglesias, Sardinia. By G. Merlo. Rassegna Mineraria, Aug. 11, 21, Sept. 1, 1904, and Min. Mag., Jan., 1905, p. 91. 2 columns.

The Lead and Zinc Mines of Monteponi. By C. W. Wright. Min. Mag., vol. 12, p. 33. 12 columns. I.

The Marble Industry of Carrara, Italy. E. & M. J., vol. 71, p. 115. 1½ columns.

The Ore Deposits of the Iglesias District, Sardinia. E. & M. J., vol. 75, p. 410. 3 columns.

Coal Mining in Italy. By P. Le. Neve Foster. E. & M. J., vol. 18, p. 97. 2 columns. I.

The Mercury Mining District of Monte Amiata, Italy. By V. Spirek. Min. Mag., vol. 13, p. 277. 26 columns. I.

The Asphalt Deposits of San Valentino, Italy. E. & M. J., vol. 77, p. 607. 1 column.

Bauxite and Alumina in Italy. E. & M. J., vol. 76, p. 810. ½ column.

Japan

Gold Mining in Japan. By A. R. Weigall. T. I. M. & M., vol. 15, p. 202. 25 pages. I.

How Gold Mining is Carried on in Japan. Min. & Sci. Press, vol. 17, p. 225. 1½ columns. I.

Japanese Gold. Min. & Sci. Press, vol. 32, p. 194. 1¾ columns.

Gold Mining in Japan. E. & M. J., vol. 80, p. 723. ⅔ column.

The Gold Mines of Sado, Japan. E. & M. J., vol. 55, p. 29. ⅔ column.

A Great Japanese Mining Company. E. & M. J., vol. 78, p. 142. 7 columns. I.

Gold in China and Japan. Min. & Sci. Press, vol. 18, p. 200. 1 column.

The Copper Mines of Japan. E. & M. J., vol. 81, p. 1041. 2⅓ columns.

Copper Mining in Japan. By E. W. Nardin. E. & M. J., vol. 72, p. 848. 4½ columns. I.

The Ashio Copper Mines and Smelting Works, Ashio, Japan. By W. J. Menzies. E. & M. J., vol. 54, p. 128. 1½ columns.

Coal Deposits of Japan, Chili, and Manchuria. Min. Mag., vol. 11, p. 472. 11 columns. I.

A Great Japanese Coal Company E. & M. J., vol. 76, p. 930. 4½ columns. I.

The Yubari Coal Mines of Japan. M. & M., May, 1903, p. 435.

Japanese Coal Mines. By K. Yonekra. M. & M., June, 1904, pp. 533–534.

Japanese Coal Mines: A Brief Description of the Mining Department of the Hokkaido Colliery and Railroad Company of Japan; Sorachi Colliery. By K. Yonekra. M. & M., May, 1904, p. 508. 4½ columns. I.

Japanese Coal-Fields. T. A. I. M. E., vol. 5, p. 246.

The Miike Coal-Field in Japan. E. & M. J., Feb. 18, 1899, p. 203. 2¾ columns, I.; Iron & Coal Trades Rev. (London), Jan. 6, 1899.

The Coal Mining Industry of Japan. E. & M. J., vol. 71, p. 52. ¾ column.

Some Japanese Mines: An Interesting Description of the Primitive Methods Employed at Them. By W. L. Austin. M. & M., vol. 18, p. 49, 7½ columns, I.; p. 104, 4¼ columns, I.

The Mining Industry in Japan. By W. J. Johnston. Min. Mag., vol. 13, p. 23. 20 columns. I.

The Sado Mines in Japan. E. & M. J., vol. 56, p. 135. 1 column. I.

A Japanese Sulphur Mine. E. & M. J., vol. 53, p. 157. ⅔ column.

Antimony Mining and Smelting in Japan. E. & M. J., vol. 56, p. 597. ½ column.

Mining in Japan: A Description of the Mines and Plants of the Hokkaido Tanko Tetssudo Kaisha. By Fritz J. Frank. M. & M., Sept., 1902, p. 49. 6 columns.

E. & M. J., vol. 79, p. 1047. 2½ columns. I.

Kansas

The Shales of Western Kansas. E. & M. J., vol. 73, p. 891. ¾ column.

Tests for Gold and Silver in Shales from Western Kansas. E. & M. J., vol. 74, p. 111. 4¾ columns.

Tests for Gold and Silver in Shales from Western Kansas. U. S. G. S., Bull. No. 202. 21 pages. 1902.

Kansas Coal Mining. By W. R. Crane. E. & M. J., vol. 72, p. 748. 16 columns. I.

The Kansas Coal Mines of the Mississippi Valley. By W. R. Crane. E. & M. J., vol. 74, p. 514. 9 columns. I.

The Weir-Pittsburg District of Kansas. By W. R. Crane. M. & M., May, 1903, p. 437.

The Western Interior Coal Field (Iowa, Missouri, and Kansas). By H. F. Bain. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 333–366. 1902.

Coal Fields of Kansas: Recent Discoveries and Developments in the Cretaceous Formation in the Northern Central Part of the State. By W. R. Crane. M. & M., Sept., 1903, p. 94. 1½ columns. I.

The Atchison Mine, Kansas. By C. M. Young. M. & M., vol. 27, p. 537. 2½ columns. I.

Kansas Salt Industry: Methods Employed in Obtaining Brines and the Arrangement of the Evaporating and Manufacturing Apparatus. By W. R. Crane. M. & M., Oct., 1904, p. 137.

Rock Salt Mining in Kansas. By W. R. Crane. E. & M. J., vol. 75, p. 859. 5⅓ columns. I.

Evaporated Salt Industry in Kansas. By W. R. Crane. E. & M. J., vol. 75, p. 224. 8 columns. I.

The Mining and Milling of Gypsum in Kansas. By W. R. Crane. E. & M. J., vol. 72, p. 602. 6 columns. I.

The Lead-Zinc Mines of Kansas and Missouri: Mining and Milling. By W. R. Crane. M. & M., Dec., 1904, p. 210.

Note on the Nickel-Ore of Russell Springs, Logan County, Kansas. By F. P. Dewey. T. A. I. M. E., vol. 17, p. 636.

Economic Geology of the Iola Quadrangle, Kansas. By G. I. Adams. U. S. G. S., Bull. No. 238. 80 pages. 1904.

Clay Industries of the Independence Quadrangle, Kansas. By F. C. Schrader and E. Haworth. U. S. G. S., Bull. No. 260, pp. 546–549. 1905.

The Chanute Oil-Fields in Kansas. By E. Haworth. E. & M. J., vol. 74, p. 477. 3½ columns. I.

Oil and Gas Development in the Mid-Continental Field in 1905. By E. Haworth. E. & M. J., vol. 81, p. 84. 7⅓ columns.

The Flagstone Quarries at Bandara, Kansas. By D. F. Jones. E. & M. J., vol. 60, p. 299. 4 columns. I.

Kentucky

Zinc in Crittenden County, Kentucky. By G. D. Wheeler. E. & M. J., vol. 74, p. 413. 2½ columns. I.

Lead, Zinc, and Fluorspar Deposits of Western Kentucky. By E. O. Ulrich and W. S. T. Smith. U. S. G. S., Bull. No. 213, pp. 205–213. 1903. Professional Paper No. 36. 218 pages. 1905.

Lead Deposits in Northern Kentucky. By R. B. Brinsmade. E. & M. J., vol. 83, p. 658. 5 columns. I.

The Coalton Coal-Field: A Description of an Interesting Kentucky Coal Field. By A. Roy. M. & M., vol. 20, p. 123. 1 column.

The Eastern Coal-Region of Kentucky. By G. Macfarlane. T. A. I. M. E., vol. 25, p. 518.

Kentucky Bituminous Rock. By M. Morris. E. & M. J., vol. 63, p. 46. 1 column.

The Kentucky Asphalt Deposits. E. & M. J., vol. 72, p. 165. ½ column.

Natural Asphalt Deposits, Kentucky. M. & M., vol. 18, p. 212. 1 column.

The Iron Ores of Bath County, Ky. By E. M. Kindle. U. S. G. S., Bull. No. 285, pp. 180–182. 1906.

Fluorspar Deposits of the Kentucky-Illinois District: Grades of Ore, Geology of the District, and Genesis of the Ores. By H. Foster Bain. M. & M., Nov., 1904, p. 182.

The Onyx Deposits of Barren County, Ky. By S. S. Gorby. E. & M. J., vol. 67, p. 707. 2¼ columns. I.

Clay Resources of Northeastern Kentucky. By W. C. Phalen. U. S. G. S., Bull. No. 285, pp. 412–416. 1906.

Clays of Western Kentucky and Tennessee. By A. F. Crider. U. S. G. S., Bull. No. 285, pp. 417-427. 1906.

Korea

Gold Mining in Korea. By S. J. Speak. T. I. M. & M., vol. 12, p. 237. 9 pages.

Auriferous Deposits of Tangkogæ, Korea. By L. Bauer. T. I. M. E, vol. 29, p. 698. ¾ page.

Gold Mining in Korea. By J. H. Curle. E. & M. J., vol. 82, p. 296. 2 columns.

Quartz Mining in Korea. Min. & Sci. Press, vol. 83, p. 182. 2½ columns. I.

Gold Mining in Korea. By H. C. Perkins. E. & M. J., vol. 77, p. 554. 3½ columns. I.

Gold Mining in Korea. E. & M. J., vol. 65, p. 249. 1 column.

Gold Mines in Korea. E. & M. J., vol. 72, p. 272. ½ column.

Mining and Business Interests in Korea. By S. H. Williams. E. & M. J., vol. 77, p. 355. 7 columns. I.

The Oriental Consolidated Mining Company, Korea. E. & M. J., vol. 83, p. 573. 2¼ columns.

Mining in Korea. By W. G. Anderson. Min. & Sci. Press, vol. 82, p. 104. ¾ column.

Mining in Korea. By J. H. Curle. Min. & Sci. Press, vol. 93, p. 78. 5 columns. I.

Louisiana

The Sulphur Mines of Louisiana. By D. A. Willey. E. & M. J., vol. 84, p. 1107. 3½ columns. I.

Sulphur Mining in Louisiana. E. & M. J., vol. 78, p. 141. ½ column.

The Calcasieu Sulphur Mines of Louisiana. E. & M. J., vol. 11, p. 152, ⅔ column; p. 265, 1⅔ columns; p. 394, 1⅓ columns.

THE CALCASIEU SULPHUR MINE, LOUISIANA. E. & M. J., vol. 13, p. 99. 2½ columns.

REVIVAL OF THE AMERICAN SULPHUR INDUSTRY, LOUISIANA. E. & M. J., vol. 78, p. 592. 2 columns. I.

THE LOUISIANA SULPHUR INDUSTRY. By A. J. Lotka. E. & M. J., vol. 80, p. 97. 1¾ columns.

THE AVERY ISLAND SALT MINE AND THE JOSEPH JEFFERSON SALT DEPOSIT, LOUISIANA. By A. F. Lucas. E. & M. J., vol. 62, p. 463. 2 columns. I.

SALT MINES OF AVERY'S ISLAND, LOUISIANA. By H. Romeyn. M. & M., vol. 20, p. 438. 3¼ columns. I.

LOUISIANA ROCK SALT: Avery's Island. By H. A. Titcomb. E. & M. J., vol. 72, p. 789. 1¼ columns. I.

THE SALINES OF LOUISIANA. By E. W. Hilgard. U. S. G. S., Mineral Resources for 1882, pp. 554–565. 1883.

ROCK-SALT IN LOUISIANA. By A. F. Lucas. T. A. I. M. E., vol. 29, p. 462.

THE PETITE ANSE SALT-MINE. By R. A. Pomeroy. T. A. I. M. E., vol. 17, p. 107.

OIL FIELDS OF THE TEXAS-LOUISIANA GULF COASTAL PLAIN. By C. N. Hayes. U. S. G. S., Bull. No. 213, pp. 345–352. 1903.

Lapland

IRON ORES OF ARCTIC LAPLAND. By C. S. Osborn. T. L. S. M. I., vol. 9, p. 94. 19 pages. Map.

THE "IRON MOUNTAINS" OF LAPLAND. M. & M., vol. 26, p. 295. ½ column.

Madagascar

MADAGASCAR MINING. By M. S. Stutchbury. E. & M. J., vol. 82, p. 433. 2 columns.

MINERAL RESOURCES OF MADAGASCAR. By J. Bouse. Cal. Jour. of Tech., Oct., 1904.

Min. Mag., Jan., 1905, p. 65. 1 column.

Maine

SKETCHES OF THE NEW MINING DISTRICT AT SULLIVAN, MAINE. By C. W. Kempton. T. A. I. M. E., vol. 7, p. 349.

NOTE ON A MINERAL PROSPECT IN MAINE. By G. O. Smith. U. S. G. S., Bull. No. 315, pp. 118–119. 1907.

REMARKS ON AN OCCURRENCE OF TIN ORE AT WINSLOW, MAINE. By T. S. Hunt. T. A. I. M. E., vol. 1, p. 373.

FELDSPAR AND QUARTZ DEPOSITS OF MAINE. By E. S. Bastin. U. S. G. S., Bull. No. 315, pp. 383–393. 1907.

GRAPHITE IN MAINE. By G. O. Smith. U. S. G. S., Bull. No. 285, pp. 480–483. 1906.

THE LIME INDUSTRY OF KNOX COUNTY, MAINE. U. S. G. S., Bull. No. 285, pp. 393–400. 1906.

THE GRANITE INDUSTRY OF THE PENOBSCOT BAY DISTRICT, MAINE. By G. O. Smith. U. S. G. S., Bull. No. 260, pp. 489–492. 1905.

THE GRANITES OF MAINE. U. S. G. S., Bull. No. 313, 69 pages. 1907.

CLAYS OF THE PENOBSCOT BAY REGION, MAINE. By E. S. Bastin, U. S. G. S., Bull. No. 285, pp. 428–431. 1906.

NOTE ON A NEW VARIETY OF MAINE SLATE. U. S. G. S., Bull. No. 285, pp. 449–450. 1906.

Maryland

NOTES ON THE GOLD-DEPOSITS OF MONTGOMERY COUNTY, MARYLAND. By S. F. Emmons. T. A. I. M. E., vol. 18, p. 391.

NOTES ON THE GOLD VEINS NEAR GREAT FALLS, MARYLAND. U. S. G. S., Bull. No. 260, pp. 128–131. 1905.

SOME COPPER DEPOSITS OF CARROLL COUNTY, MARYLAND. By P. Frazer. T. A. I. M. E., vol. 9, p. 33.

Ocean No. 7 or "Klondyke:" Georges Creek Region, Maryland. By J. J. Rutledge. M. & M., vol. 26, p. 5. 8 columns. I.

The Bituminous Coal Field of Maryland. By D. White. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 201–214. 1902.

Massachusetts

The Newburyport Silver Mines. By R. H. Richards. T. A. I. M. E., vol. 3, p. 442.

Notes on the Occurrence of Siderite at Gay Head, Mass. By W. P. Blake. T. A. I. M. E., vol. 4, p. 112.

Character of Ore at Davis Pyrites Mine, Massachusetts. E. & M. J., vol. 82, p. 724. 1¾ columns.

Character of Ore at Lyon, N. Y., Magnetite Mines. E. & M. J., vol. 82, p. 864. 2 columns.

Grade of Ore at Lyon Mountain Magnetite Mines, New York. E. & M. J., vol. 82, p. 917. Table.

Notes on the Iron Ore and Anthracite Coal of Rhode Island and Massachusetts. By A. L. Holley. T. A. I. M. E., vol. 6, p. 224.

Davis Pyrites Mine, Massachusetts. By J. J. Rutledge. E. & M. J., vol. 82, p. 674, 12 columns, I.; p. 724, 12 columns, I.; p. 772, 6 columns, I.

The Geology of the Road-Building Stones of Massachusetts, with some Consideration of Similar Materials from Other Parts of the United States. U. S. G. S., 16th Ann. Rept., pt. 2, pp. 277–341. 1895.

The Glacial Brick Clays of Rhode Island and Southeastern Massachusetts. By N. S. Shaler, J. B. Woodworth, and C. F. Marbut. U. S. G. S., 17th Ann. Rept., pt. 1, pp. 957–1004. 1896.

Clays of Cape Cod, Massachusetts. By M. L. Fuller. U. S. G. S., Bull. No. 285, pp. 432–441. 1906.

Mexico

The Silver District of Tehuilotepec, State of Guerrero, Mexico. By E. Halse. E. & M. J., vol. 60, p. 197. 3 columns.

"La Brilladora" Mine, Jalisco, Mexico. By J. L. Buskett. E. & M. J., vol. 62, p. 80. 1 column. I.

The Alamo District, Lower California, Mexico. By V. Wankowsi. M. & M., June, 1901, p. 507. 1 column.

Santa Eulalia Mines, Chihuahua, Mexico. By A. Lakes. M. & M., July, 1903, p. 529.

Mining at Chihuahua, Mexico. By A. Lakes. M. & M., May, 1903, p. 446.

The Mining District of Pachuca, Mexico. By E. Ordoñez. T. A. I. M. E., vol. 32, p. 224.

Notes on the Mines and Minerals of Guanajuato, Mexico. By William P. Blake. T. A. I. M. E., vol. 32, p. 216.

The "Centennial" and "Lotta" Gold Properties, Coahuila, Mexico. By P. Frazer. T. A. I. M. E., vol. 14, p. 196.

Certain Silver and Iron Mines in the States of Nuevo Leon and Coahuila, Mexico. By P. Frazer. T. A. I. M. E., vol. 12, p. 537.

Los Tepalcates Silver Mine, Mexico. By V. Lander. E. & M. J., vol. 71, p. 79. ½ column. I.

The Guanajuato Mining District. By C. Henrich. Min. Mag., Aug., 1904, p. 101. 16 columns. I.

The Guanajuato Mining District. By C. Henrich. Min. Mag., July, 1904, p. 23. 16 columns. I.

The Gold Zone of Capalquin, Mexico. By F. B. Fowler. E. & M. J., vol. 69, p. 557. 3 columns. I.

The Batopilas Mines, Mexico. E. & M. J., vol. 69, p. 437. 4 columns. I.

The Gold Zone of Capalquin, Durango, Mexico. By F. B. Fowler. E. & M. J., vol. 69, p. 225. 3 columns. I.

The Cebollitas Camp, Chihuahua, Mexico. E. & M. J., vol. 68, p. 367. 1 column.

The Mining Camp at El Oro, Mexico. By R. S. Barrett. E. & M. J., vol. 68, p. 97. 2 columns.

The Gold Resources of Mexico. By V. R. de Cornely. E. & M. J., vol. 67, p. 320, 2⅓ columns; p. 348, 2 columns.

Notes on Mining in Oaxaca, Mexico. By M. Clark. E. & M. J., vol. 64, p. 35. 2 columns.

The Topia District, Durango, Mexico. By F. B. Fowler. E. & M. J., vol. 67, p. 650. 2 columns. I.

Mining Camps near Topia, Durango, Mexico. By F. B. Fowler. E. & M. J., vol. 71, p. 335, 2½ columns, I.; and p. 363, I.

The Gold Fields of Altar, Mexico. By W. G. Waring. E. & M. J., vol. 63, p. 257. 2½ columns. I.

The Mineral District of Hidalgo del Parral, Mexico. By S. E. Gill. E. & M. J., vol. 63, p. 509. 1½ columns. I.

The District of Hidalgo del Parral, Mexico, in 1820. By Norberto Dominguez. T. A. I. M. E., vol. 32, p. 459.

Notes on Certain Mines in the States of Chihuahua, Sinoloa and Sonora, Mexico. By W. H. Weed. T. A. I. M. E., vol. 32, p. 396.

San Juan Mine, Mexico. By F. D. Browning. Sch. Mines Quart., vol. 3, p. 264. 4 pages. I.

Mining and Smelting in the State of Durango, Mexico. By H. V. F. Furman. M. & M., vol. 20, p. 433. 5½ columns. I.

The Mulatos Mine, Sonora, Mexico. Min. & Sci. Press, vol. 55, p. 34. 1 column.

The Avino Mine and Mill, Mexico. M. & M., vol. 20, p. 400. 2¾ columns. I.

The Silver Mines of Colquechaca. By R. Peele, Jr. E. & M. J., vol. 57, p. 78, 2¼ columns; and p. 100, 2 columns.

The Alvino Mines: A Description of an Old Mexican Mine and the Good and Bad Points of Some of the Ancient Methods still in Use. By A. Mathez. M. & M., vol. 18, p. 241. 5½ columns. I.

Notes on the Espiritu Santo Mine at Cana: Its Drainage and Recovery. By E. R. Woakes. T. I. M. & M., vol. 3, p. 285.

Some Silver-Bearing Veins of Mexico. By E. Halse. T. I. M. E., vol. 18, p. 370, 14 pages, I.; vol. 21, p. 198, 16 pages; vol. 23, p. 243, 14 pages; vol. 24, p. 41, 20 pages.

The Taviche Mining-District near Ocotlan, State of Oaxaca, Mexico. By H. M. Chance. T. A. I. M. E., vol. 35, p. 886. 6 pages.

The Gold-Mines of the San Pedro District, Cerro de San Pedro, State of San Luis Potosi, Mexico. By G. A. Laird. T. A. I. M. E., vol. 35, p. 858. 20 pages. I.

The Gold Mines of Mexico. E. & M. J., vol. 55, p. 74. 1 column.

Mines of Velardena, Mexico. By E. E. Payne. M. & M., vol. 21, p. 51. 2½ columns. I.

Native Silver Ores and Their Treatment at Batopilas, Mexico. By T. H. Leggett. Sch. Mines Quart., vol. 6, p. 57. 12 pages.

The Mining District of Guanajuato, Mexico. E. & M. J., vol. 73, p. 206. 11¼ columns. I.

The Upland Placers of La Cienega, Sonora, Mexico. By R. T. Hill. E. & M. J., vol. 73, p. 132. 6½ columns. I.

The Mining District of Pachuca, Mexico. By I. E. Ordonez. E. & M. J., vol. 72, p. 719. 5 columns.

The Rayas and Mellado Mines, Guanajuato, Mexico. E. & M. J., vol. 72, p. 714. 1½ columns.

La Descubridora Mine, Chihuahua, Mexico. E. & M. J., vol. 72, p. 698. 1 column. I.

Hidalgo del Parral, Chihuahua, Mexico. E. & M. J., vol. 72, p. 456. 2 columns. I.

The Esperanza Mine, El Oro, Mexico. E. & M. J., vol. 74, p. 46. 2 columns.

The Mining District of Parral, State of Chihuahcua, Mexico. By G. A. Burr. E. & M. J., vol. 75, p. 216. 3 columns. I.

The Prieta Mine of Parral, Mexico. By L. M. Terry. E. & M. J., vol. 74, p. 738. 4 columns. I.

Minas Nuevas, Parral, Mexico. By G. A. Burr. E. & M. J., vol. 75, p. 404, 6½ columns, I.; and p. 440, 2½ columns, I.

The Santa Eulalia District, Mexico. E. & M. J., vol. 76, p. 158, 7½ columns, I.; p. 350, 5½ columns, I.

Guanajuato. By J. W. Malcolmson. E. & M. J., vol. 80, p. 529. 2⅔ columns.

Mining in Mexico. E. & M. J., vol. 77, p. 21. 6 columns. I.

The Rayon District, Chihuahua. By T. A. T. Brown. E. & M. J., vol. 80, p. 1205. ½ column. I.

La Mina Santa Francisca, Mexico. By E. H. Cook. Min. Mag., vol. 11, p. 425. 12 columns. I.

Some Notes on the Cerro Mercado, Mexico. By O. C. Farrington. E. & M. J., vol. 78, p. 345. 5 columns. I.

The Dolores (Gold-Quartz) Mill. By J. Seward. E. & M. J., vol. 79, p. 1132. 1⅓ columns. I.

The Mulatos Gold Mines, State of Sonora, Mexico. By L. Janin, Jr. E. & M. J., vol. 49, p. 131. 3½ columns. I.

The Ocampo District, Mexico. By A. R. Townsend. E. & M. J., vol. 77, p. 515. 5½ columns. Map.

The Mines of Sierra Mojada, Mexico. By E. O. Fechet. E. & M. J., vol. 55, p. 151. 2½ columns.

The Mines of Sombresete, Mexico. E. & M. J., vol. 54, p. 604. 1½ columns.

The Mining District of Tasco, Mexico. By R. E. Chism. E. & M. J., vol. 48, p. 2 7, 1½ columns; p. 51, 1⅔ columns.

The Moctezuma District, Mexico. By M. Clere. E. & M. J., vol. 79, p. 1007. 7 columns. I.

The Catorce Mining District. E. & M. J., vol. 48, p. 340, 5 columns; p. 388, 2⅙ columns; p. 476, 3 columns.

Gold Mining in Mexico. Min. & Sci. Press, vol. 74, p. 30. 1⅓ columns.

Mexican Silver Mines. Min. & Sci. Press, vol. 58, p. 382. 1¾ columns.

Mining in Western Chihuhua. By W. S. Hutchinson. E. & M. J., vol. 81, p. 418. 5½ columns. I.

Taviche, Ocotlan, Oaxaca, Mexico. Min. & Sci. Press, vol. 81, p. 544. 3 columns. I.

A Guanajuato, Mexico, Mining Enterprise. Min. & Sci. Press, vol. 81, p. 5. 2⅓ columns.

Notes on the Parral District, Chihuahua, Mexico. By H. Z. Osborne. Min. & Sci. Press, vol. 86, p. 394. 3 columns. I.

Six Months at the Concepcion Mine, Catorce, Mexico. By W. S. Godfrey. E. & M. J., vol. 51, p. 168. 1⅞ columns.

How Mexican Silver Mines are Worked. Am. Jour Min., vol. 3, p. 102. 1 column.

The Mines of Mexico. Am. Jour. Min., vol. 3, p. 141. 1¼ columns.

Working Silver Ores in Pachuca, Mexico. Min. & Sci. Press, vol. 82, p. 180. 1 column.

Gold in Zacatecas, Mexico. By E. Halse. E. & M. J., vol. 58, p. 605. 2½ columns.

Notes on Some Gold-Bearing Veins of Zacatecas, Mexico. By E. Halse. E. & M. J., vol. 58, p. 78. 1½ columns.

Method of Working Mines of Santa Eulalia, Mexico. By E. G. Cahill. Min. & Sci. Press, vol. 88, p. 329, 2 columns, I.; p. 349, 1½ columns.

Notes on New Goldfields, Sierra County, North Mexico. By E. P. Smith. Min. & Sci. Press, vol. 88, p. 61. 2 columns. Map.

The Malacate Silver and Gold Mines of Sultepec, Mexico. By E. Halse. E. & M. J., vol. 58, p. 220. 2¼ columns.

Some Silver-Bearing Veins of Mexico. By E. Halse. T. I. M. E., vol. 18, p. 370, 14 pages, I.; vol. 21, p. 198, 16 pages; vol. 23, p. 243, 14 pages; vol. 24, p. 41, 20 pages.

The Mines of Santa Eulalia, Mexico. By P. B. Aiken. Min. & Sci. Press, vol. 87, p. 402. 1½ columns.

Pachuca, Mexico. By H. E. West. Min. & Sci. Press, vol. 92, p. 345. 4¾ columns. I.

The Pinguico Mine, Guanajuato, Mexico. By J. A. Church. E. & M. J., vol. 82, p. 959. 5¾ columns.

The Dolores Mines, Chihuahua, Mexico. E. & M. J., vol. 82, p. 733. 2½ columns.

Notes on Mining in Oaxaca. By W. A. Hooker. T. A. I. M. E., vol. 15, p. 13.

Mines of the Taviche District, Oaxaca, Mexico. By A. E. Place and H. L. Elton. E. & M. J., vol. 84, p. 625. 3¼ columns.

The Mines of the Altar District, Sonora, Mexico. By J. S. Alexander. E. & M. J., vol. 83, p. 653. 5½ columns. I.

The Mines of Planchas de Plata. By F. J. H. Merrill. E. & M. J., vol. 82, p. 1111. 3⅔ columns.

Mining Conditions in the Mountains of Chihuahua, Mexico. By J. B. Farish. E. & M. J., vol. 83, p. 221. 17 columns. I.

The Dolores Mine, Chihuahua, Mexico. By J. B. Farish. E. & M. J., vol. 83, p. 849. 2¾ columns. I.

Proano, a Famous Mine of Fresnillo, Mexico. By J. A. Church. E. & M. J., vol. 84, p. 53. 9½ columns. I.

The Mines of La Luz, Guanajuato, Mexico. By J. A. Church. E. & M. J., vol. 84, p. 105, 11⅔ columns; p. 153, 7½ columns.

Old and New Methods at Guanajuato. By T. A. Rickard. Min. & Sci. Press, vol. 94, p. 824. 3¾ columns. I.

The Parral District, Mexico. By F. L. Garrison. Min. & Sci. Press, vol. 94, p. 373. 2⅓ columns. I.

Some Silver-Bearing Veins of Mexico. By E. Halse. T. I. M. E., vol. 27, p. 169. 22 pages. I.

"Los Reyes" Gold Mines, Southern Mexico. By A. H. Smith. J. C. M. I., vol. 8, p. 272. 12 pages. I.

The Sierra Mojada, Coahuila, Mexico, and Its Ore-Deposits. By J. W. Malcolmson. T. A. I. M. E., vol. 32, p. 100.

Copper Deposits in Sinoloa and Southern Sonora, Mexico. By F. Rickard. E. & M. J., vol. 78, p. 97. 7 columns. I.

La Cananea Mining Camp. By G. E. Woodbridge. E. & M. J., vol. 82, p. 623. 14 columns. I.

Santa Cruz, a New Copper Camp in Sonora. By F. J. H. Merrill. E. & M. J., vol. 83, p. 1043. 1 column. I.

The Cananea Copper Deposits. By R. B. Brinsmade. M. & M., vol. 27, p. 422. 4¾ columns. I.

The Copper-Deposits at San Jose, Tamaulipas, Mexico. By J. F. Kemp. T. A. I. M. E., vol. 36, p. 178. 25 pages. I.

The Taviche Mining District near Ocotlan, State of Oaxaca, Mexico. T. A. I. M. E., vol. 36, p. 798. 2½ pages.

The Mines of Cananea, Mexico. Min. & Sci. Press, vol. 90, p. 200, 2 columns, I.; p. 220, 3½ columns.

Copper Mining at Placeritas de Nocasari, Sonora, Mexico. By H. B. Layton. Min. & Sci. Press, vol. 80, p. 344. 8 columns. I.

The Cananea Ore Deposits. E. & M. J., vol. 76, p. 383, 1½ columns; p. 421, 1¼ columns; p. 459, 5⅞ columns, I.; p. 1000, 12½ columns.

The Cananea Copper Deposits, Mexico. By W. H. Weed. E. & M. J., vol. 74, p. 744. 5 column. I.

Arizona and Sonora. By D. E. Woodbridge. E. & M. J., vol. 81, p. 896, I.; p. 990, I.; p. 1134, 4½ columns; p. 1180, 6½ columns; p. 1229, 10½ columns; vol. 82, p. 8, 8½ columns; p. 50, 7¾ columns, I.; p. 103, 9 columns, I.; p. 150, 5 columns; p. 242, 9 columns, I.; p. 298, 9½ columns, I.

The Copper Mines of Nocasari, Mexico. E. & M. J., vol. 72, p. 65. 2 columns.

The Copper-Deposits at San Jose, Mexico. By J. F. Kemp. T. A. I. M. E., vol. 36, p. 178. 25 pages. I.

The Cananea Copper Deposits. By R. B. Brinsmade. M. & M., vol. 27, p. 465. 10 columns. I.

A New Copper District in Mexico. By. E. du B. Lukis. E. & M. J., vol. 65, p. 279. 3 columns. I.

The Iron Mountain and Plant of the Mexican National Iron and Steel Company, Durango, Mexico. By T. E. Witherbee. T. A. I. M. E., vol. 32, p. 156.

Iron in Mexico. By R. E. Chism. E. & M. J., vol. 46, p. 391. 2 columns.

The Cerro de Mercado (Iron Mountain) at Durango, Mexico. By J. Birkinbine. T. A. I. M. E., vol. 13, p. 189.

A Coking Coal in Chihuahua. By W. B. Phillips. E. & M. J., vol. 79, p. 661. 4 columns. I.

Las Esperanzas Coal Mines, Mexico. By E. Ludlow. E. & M. J., vol. 71, p. 331. 2 columns. I.

The Coal-Fields of Las Esperanzas, Coahuila, Mexico. By E. Ludlow. T. A. I. M. E., vol. 32, p. 140.

Coals in Mexico, Santa Rosa District. By W. H. Adams. T. A. I. M. E., vol. 10, p. 270.

The Coalfields of Mexico. E. & M. J., vol. 57, p. 535. ¾ column.

The Coal-Fields of Sonora, Mexico. By J. Overend. T. F. I. M E., vol. 7, p. 230. 4 pages.

The Sabinas Coalfield, Mexico. By E. G. Tuttle. E. & M. J., vol. 58, p. 390. 3½ columns. I.

The Cerrillos Anthracite Mines. By A. Lakes. M. & M., vol. 21, p. 341. 1½ columns. I.

Natural Coke of the Santa Clara Coal-Field, Sonora, Mexico. By E. T. Dumble. T. A. I. M. E.,vol. 29, p. 546.

Notes on the Tin-Deposits of Mexico. By W. R. Ingalls. T. A. I. M. E., vol. 27, p. 428.

The Tin-Deposits of Durango, Mexico. By W. R. Ingalls. T. A. I. M. E., vol. 25, pp. 146, 997.

The Sain Alto Tin Deposits, State of Zacatecas, Mexico. By J. N. Nevins. E. & M. J., vol. 75, p. 929. 2 columns. I.

Tin-Mining and Smelting at Santa Barbara, Guanajuato, Mexico. By A. H. Bromly. T. A. I. M. E., vol. 36, p. 227. 7 pages. I.

The Occurrence of Tin-Ore at Sain Alto, Zacatecas, with Reference to Similar Deposits in San Luis Potosi and Durango, Mexico. By E. Halse. T. A. I. M. E., vol. 29, p. 502.

The San Jacinto Tin Mines, Mexico. Min. & Sci. Press, vol. 39, p. 397. 3¾ columns. Map.

Quicksilver Ores in Mexico. Min. & Sci. Press, vol. 57, p. 38. 1 column.

Quicksilver Mining in the District of Guadalcazar, State of San Luis Potosi, Mexico. By H. F. Collins. T. I. M. & M., vol. 4, p. 121.

The Quicksilver Mines and Reduction-Works at Huitzuco, Guerrero, Mexico. By E. Halse. T. F. I. M. E., vol. 10, p. 72. 16 pages. I.

Mining and Treatment of Quicksilver Ores at Guadalcazar, Mexico. By W. H. Rundall. E. & M. J., vol. 59, p. 607. 2¾ columns. I.

The Quicksilver Deposits of Huitzuco. By F. D. Pagliucci. E. & M. J., Mar. 2, 1905, p. 417. 3 columns. I.

Salt Production in Mexico. E. & M. J., vol. 84, p. 626. ¾ column.

The Mineral Zone of Santa Maria del Rio, San Luis Potosi, Mexico. By Jesus P. Manzano. T. A. I. M. E., vol. 32, p. 478.

Notes on the Structure of Ore-Bearing Veins in Mexico. By E. Halse. T. A. I. M. E., vol. 32, p. 285.

The West Coast of Mexico. By D. E. Woodbridge. E. & M. J., vol. 84, p. 394. 6 columns.

Asphalt in Mexico. E. & M. J., vol. 62, p. 610. ¼ column.

Note on the Antimony Deposit of El Altar, Sonora, Mexico. By E. Halse. T. F. I. M. E., vol. 6, p. 290. 4 pages.

Notes on the Occurrence of Manganese Ore near Mulege, Baja, California, Mexico. By E. Halse. T. F. I. M. E., vol. 3, p. 934. 7 pages. I.

Gems and Precious Stones of Mexico. By G. F. Kunz. T. A. I. M. E., vol. 32, p. 55.

Mexican Onyx Mines. E. & M. J., vol. 52, p. 729. 1½ columns.

The Sahuayacan District, Mexico. By R. M. Bogg, Jr. E. & M. J., vol. 79, p. 749. 4¾ columns. I.

The Santa Elena Mine, Mexico. E. & M. J., vol. 68, p. 275. 2 columns. I.

The Tojos Mine, Mexico. By F. B. Fowler. E. & M. J., vol. 68, p. 666. 1 column.

The Nocosari Mines, Mexico. By H. B. Layton. E. & M. J., vol. 69, p. 678, 4 columns. I.; p. 707.

The Geographical and Geological Distribution of the Mineral Deposits of Mexico. By J. G. Aguilera. T. A. I. M. E., vol. 32, p. 497.

The Vallecillo Mines, Mexico. By R. C. Chism. T. A. I. M. E., vol. 13, p. 351.

Sierra Mojada, Mexico. By R. C. Chism. T. A. I. M. E., vol. 15, p. 542.

El Oro District, Mexico. By R. T. Hill. E. & M. J., Mar. 2, 1905, p. 410. 12 columns. I.

The Mining District of Ocampo, Mexico. E. & M. J., vol. 57, p. 171. 2 columns.

The Guanajuato Mining District. By R. T. Hill. E. & M. J., vol. 77, p. 598, 8 columns, I.; p. 642, 6 columns, I.

Mining in Sinaloa, Mexico. By J. W. Gray. M. & M. vol. 19, p. 471. 2½ columns.

Mining in Sonora, Mexico. E. & M. J., vol. 49, p. 220, 1 column; pp. 331, 444.

Mining and Other Statistics of the 30 Mexican States. By A. C. Hodge. T. I. M. & M., vol. 9, p. 429. 1 page.

Notes on Mining in Northern Mexico. By W. H. Glennie. T. F. I. M. E., vol. 1, p. 39. 14 pages.

The Pastrana Mine, Mexico. By J. C. F. Randolph. Sch. Mines Quart., vol. 2, p. 107. 8 pages.

Mining Notes from Sinaloa, Mexico. By W. W. Fisk. E. & M. J., vol. 72, p. 109. ¾ column.

The Etzatlan Mining District, Mexico. By E. B. Von Osdel. E. & M. J., vol. 73, p. 243. 2½ columns. I.

Mining Development in Mexico During 1902. By J. W. Malcolmson. E. & M. J., vol. 75, p. 35. 13¾ columns. I.

The Mining District of San Jose, Mexico. E. & M. J., vol. 44, p. 447. 11¼ columns.

Through the Sierra Madres in Chihuahua, Mexico. By G. D. James. E. & M. J., vol. 74, p. 140. 7½ columns. I.

Mexican Mining: A Retrospect. E. & M. J., vol. 76, p. 157. 1⅕ columns.

Mexican Resources. By J. W. Gray. M. & M., vol. 20, p. 254. 1½ columns.

Mexican Mining Customs. Min. & Sci. Press, vol. 63, p. 344. 2¾ columns.

Sonora, Mexico, Timber, Coal, Mines and History. Min. & Sci. Press, vol. 38, p. 233. 6 columns. I. Map.

Notes on Tepic, Mexico. By C. S. King. Min. & Sci. Press, vol. 82, p. 178. 1¼ columns.

From Parral to Guadaloupe y Calvo, Chihuahua, Mexico. By H. Z. Osborne. Min. & Sci. Press, vol. 87, p. 51, 3¾ columns, I.; p. 64, 3 columns, I.; p. 83, 2 columns, I.

Three Weeks in Mexico. By T. A. Rickard. Min. & Sci. Press, vol. 93, p. 7, 4½ columns, I.; p. 53, 6 columns, I.; p. 83, 4 columns, I.; p. 350, 9½ columns, I.; p. 381, 8 columns, I.; p. 416, 6 columns, I.; p. 442, 7¾ columns, I.; p. 506, 6 columns, I.; p. 538, 6 columns, I.; p. 568, 5 columns, I.; p. 599, 5 columns, I.; p. 627, 3 columns, I.

The Mining District of Asientos, Mexico. By B. Newman. E. & M. J., vol. 83, p. 1044. 6½ columns. I.

An Account of the Central and Mineral Districts of Vera Cruz. Am. Jour. Min., vol. 4, pp. 258, 291, 306.

Traveling on the West Coast of Mexico. By D. E. Woodbridge. E. & M. J., vol. 84, p. 627. 10¼ columns. I.

The Mineralization of Mexico. By F. J. H. Merrill. E. & M. J., vol. 83, p. 667. 2¼ columns.

Los Pilares Mine, Nocosari, Mexico. By S. F. Emmons. E. & M. J., vol. 82, p. 1066. 4 columns. I.

The Lluvia de Oro District, Mexico. By R. H. Burrows. Min. & Sci. Press, vol. 94, p. 664. 6 columns. I.

The Copete District, Central Sonora, Mexico. By F. J. H. Merrill. E. & M. J., vol. 82, p. 628. 2 columns.

The Sahuaripa District, Sonora. E. & M. J., vol. 82, p. 629. 5½ columns. I.

The Mining Camps, Sinaloa, Mexico. E. & M. J., vol. 82, p. 635. 5 columns. I.

The Sahuayacan Mining District, Mexico. By J. C. Treadwell. E. & M. J., vol. 80, p. 1213. 10½ columns. I.

Conditions in Mexico (1905). E. & M. J., vol. 79, p. 952. 3 columns.

The Hostolipaquillo District, Jalisco. By W. N. Cummings. E. & M. J., vol. 79, p. 942. 5 columns. I.

Some Mines in Sonora, Mexico. By E. T. Dumble. E. & M. J., vol. 65, p. 730. 1⅓ columns.

The Mines of the Pintos and Azul Mountains, Sonora, Mexico. By R. W. Petre. E. & M. J., vol. 76, p. 466. 2⅔ columns. I.

The Yaqui River Country of Sonora, Mexico. By G. J. Bancroft. E. & M. J., vol. 76, p. 160. 5½ columns. I.

Michigan

Notes on the Michipicoten Gold Field. By A. B. Willmott. T. F. C. M. I., vol. 3, p. 100. 2 pages.

The Gold Bearing Sands of the Vermilion River. By J. W Evans. J. C. M. I., vol. 2, p. 105. 3 pages.

The Dead River Gold Range, Michigan. E. & M. J., vol. 52, p. 119. ⅓ column.

The New Michigan Gold Finds. E. & M. J., vol. 46, p. 238. 2½ columns. I.

The Great Gold Find in Michigan. E. & M. J., vol. 44, p. 40. 1 column.

Silver in Michigan. Min. & Sci. Press, vol. 26, p. 294. ⅔ column.

Notes on the Michipicoten Gold-Belt. By C. H. Clarke. E. & M. J., vol. 76, p. 735. 3 columns.

A Lake Superior Silver Mine, Michigan. Min. & Sci. Press, vol. 31, p. 98, ¾ column; p. 130, ¾ column.

Copper Mining on Lake Superior. By J. P. Channing. Min. & Sci. Press, vol. 92, p. 198. 2⅓ columns. I.

Mines of the Lake Superior Copper District. By H. J. Stevens. T. L. S. M. I., vol. 12, p. 8. 18 pages. I.

Table of Copper Mining Statistics. T. L. S. M. I., vol. 12, p. 24. 1 page.

Copper Mining in Upper Michigan. By J. F. Jackson. Min. & Sci. Press, vol. 86, p. 185, 2 columns, I.; p. 199, 3 columns; p. 214, 2½ columns. Mine Map.

The Lake Superior Copper District. By W. S. Hutchinson. E. & M. J., vol. 82, p. 253. 4 columns. I.

Notes on the Copper Range. Min. & Sci. Press, vol. 94, p. 375. 2 columns. I.

Copper Mining in Upper Michigan. By J. F. Jackson. J. W. Soc. E., vol. 8, p. 1. 22 pages. I.

Mines of the Lake Superior Copper District: Description and Equipment. (1906.) T. L. S. M. I., vol. 12, p. 8. 16 pages.

Description of Various Mines and Mills. T. L. S. M. I., vol. 12, p. 25. 26 pages.

Brief Description of the Calumet and Hecla Mine, Lake Superior, Michigan. By E. McCormick. Min. & Sci. Press, vol. 75, p. 459. 1¾ columns. I.

Lake Superior Copper Mines. By H. J. Stevens. Min. & Sci. Press, vol. 88, p. 381. 2 columns.

The Copper and Iron-Bearing Rocks of Lake Superior. By A. C. Campbell. E. & M. J., vol. 31, p. 20. 2½ columns.

Some Occurrences of Native Copper at Keweenaw Point, Lake Superior. By H. Credner. E. & M. J., vol. 9, p. 3, 1½ columns; p. 24, 1 column; p. 36, 1½ columns.

The Relation of the Vein at the Central Mine, Keweenaw Point, to the Kearsarge Conglomerate. By L. L. Hubbard. T. L. S. M. I., vol. 3, p. 74. 10 pages. I.

The Origin and Mode of Occurrence of the Lake Superior Copper Deposits. By M. E. Wadsworth. T. A. I. M. E., vol. 27, p. 669.

The Copper-Bearing Rocks of Lake Superior. By R. D. Irving. U. S. G. S., Monograph V. 464 pages. 1883.

Ore Deposits of Lake Superior Copper District. E. & M. J., vol. 78, p. 625. 7½ columns.

Copper Mines of Lake Superior. By T. A. Rickard. E. & M. J., vol. 78, p. 585, 7 columns, I.; p. 625, 7½ columns, I.; p. 665, 6½ columns, I.; p. 705, 5½ columns, I.; p. 745, 7½ columns, I.; p. 785, 6 columns, I.; p. 825, 7 columns, I.; p. 865, 8 columns, I.

Copper Mines of Lake Superior. By T. A. Rickard. E. & M. J., vol. 78, p. 905, 9 columns, I.; p. 945, 17 columns, I.; p. 1025, 6 columns. I.

The Belt Copper Mine, Michigan. E. & M. J., vol. 36, p. 47. 2 columns.

Michipicoten Island and Its Copper Mines. By H. Poole. E. & M. J., vol. 54, p. 125. 2 columns. I.

The Wolverine Copper Mine. By F. J. Nicholas. E. & M. J., vol. 73, p. 582. 1½ columns.

The Tamarack Mine, Lake Superior, Michigan. By C. S. Herzig. Coll. Engr. & Met. Miner, vol. 15, p. 169. 6 columns. I.

The Osceola Mine, Lake Superior, Michigan. By C. S. Herzig. Coll. Engr. & Met. Miner., vol. 15, p. 217. 6½ columns. I.

The Copper Mining District of Michigan and Its Industries. E. & M. J., vol. 50, p. 358. 4 columns. I.

The Gogebic Iron Mines, Michigan. By C. D. Lawton. E. & M. J., vol. 43, p. 42, 1 column; p. 82, 1½ columns; p. 131, 4 columns; vol. 42, p. 77, 3 columns; p. 112, 2 columns.

The Iron Mines of the Menominee District, Michigan. E. & M. J., vol. 31, p. 368, 2 columns; p. 382, 2 columns.

The Marquette Iron-Bearing District of Michigan, with Atlas. By C. R. Van Hise and W. S. Bayley and H. L. Smyth. U. S. G. S., Monograph XXVIII. 608 pages. 1897.

The Republic Iron Mine, Michigan. E. & M. J., vol. 42, p. 6. 2 columns.

The Iron-Ore Deposits of the Lake Superior Region. By C. R. Van Hise. In Twenty-first Ann. Rept., U. S. Geol. Survey, pt. 3, pp. 305–434. 1901.

The Menominee Iron-Bearing District of Michigan. By W. S. Bayley. Monograph XLVI, U. S. Geol. Survey. 513 pages. 1904.

The Penokee Iron-Bearing Series of Michigan and Wisconsin. By R. D. Irving and C. R. Van Hise. Monograph XIX, U. S. Geol. Survey. 534 pages. 1892.

Geologic Work in the Lake Superior Iron District During 1902. In Bulletin U. S. Geol. Survey No. 213, pp. 247–250. 1903.

The Crystal Falls Iron-Bearing District of Michigan. By J. M. Clements, H. L. Smyth, W. S. Bayley, and C. R. Van Hise. Monograph XXXVI, U. S. Geol. Survey. 512 pages. 1899.

The Iron Ores of the Marquette District. By C. R. Van Hise. E. & M. J., vol. 54, p. 29. 2 columns. I.

Genesis of the Lake Superior Iron Ores. U. S. G. S., Economic Geology, vol. 1, pp. 47–66. 1905.

The Lake Superior Mining Region During 1903. U. S. G. S., Bull. No. 225, pp. 215–220. 1904.

The Origin of the Iron Ores of the Marquette District. E. & M. J., vol. 32, p. 286. 1½ columns.

A Comparison of the Origin and Development of the Iron Ores of the Mesabi and Gogebic Iron Ranges. By C. K. Leith. T. L. S. M. I., vol. 8, p. 75. 8 pages.

Some Dike Features of the Gogebic Iron Range. By C. M. Bass. T. A. I. M. E., vol. 27, pp. 556, 978.

The Marquette Iron Range of Michigan. By G. A. Newett. T. L. S. M. I., vol. 4, p. 87. 22 pages. I.

The Marquette Iron Region. Sch. Mines Quart., vol. 3, p. 35, 14 pages, I.; p. 103, 16 pages, I.; p. 197, 12 pages; p. 243, 11 pages.

Charcoal Iron Industry of the Upper Peninsula of Michigan. By Wm. G. Mather. T. L. S. M. I., vol. 9, p. 63. 18 pages. I.

Notes on the Geological Structure and Working of the Deposits of the Marquette District. By J. B. Brooks. E. & M. J., vol. 9, p. 257. 5 columns.

Notes on Some of the Recent Changes in the Equipment of the Republic Mine, Republic, Michigan. By F. H. Armstrong. T. L. S. M. I., vol. 11, p. 181. 14 pages. I.

Menominee Range. By J. L. Buell. T. L. S. M. I., vol. 11, p. 38. 12 pages.

The Gogebic Range, Michigan. T. L. S. M. I., vol. 10, p. 158. 5 pages. I.

A Few Features of Mining in the Regent Group of Mines, Negaunee, Michigan. By M. B. Atkinson. J. C. M. I., vol. 7, p. 319. 14 pages. I.

Asphalt in Delta County, Michigan. By A. Lane. E. & M. J., vol. 73, p. 50. 1 column.

Coal Mining in Michigan. By L. Fraser. E. & M. J., vol. 84, p. 594. 6 columns. I.

Mining the Coal Measures of Michigan. By L. Fraser. E. & M. J., vol. 84, p. 1024. 4 columns. I.

Michigan Coal Mines. E. & M. J., vol. 75, p. 673. ½ column.

Pere Marquette Mines: A Description of the Largest and Best Equipped Coal Mines in the State of Michigan. By R. A. Randall. M. & M., vol. 21, p. 100. 1 column. I.

The Northern Interior Coal Field [Michigan]. By A. C. Lane. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 307–332. 1902.

Coal Mining in Michigan. By C. Holmes. M. & M., vol. 20, p. 59. 7 columns. I.

The Coal Basin of Michigan. By A. C. Lane. E. & M. J., vol. 69, p. 767. 3 columns. I.

Coal and Coal-Mining in Michigan. By C. Holmes. E. & M. J., vol. 68, p. 335. 4 columns.

Minnesota

Iron Ore Deposits of the Ely Trough, Vermilion Range, Minnesota. By C. E. Abbott. T. L. S. M. I., vol. 12, p. 116. 26 pages. I.

The Pioneer Iron Mine, Ely, Minnesota. By E. J. Carlyle. J. C. M. I., vol. 7, p. 335. 32 pages. I.

Iron Ore in Crow Wing County, Minnesota. By D. E. Woodbridge. E. & M. J., vol. 84, p. 775. 3⅞ columns.

The Iron-Ore Mines of the Mesabi Range. By R. Meeks. E. & M. J., vol. 84, p. 193. 9 columns. I.

Mining Methods on the Gogebic Iron Range. E. & M. J., vol. 84, p. 245. 4 columns. I.

The Highland Range in Minnesota. By A. H. Elftman. E. & M. J., vol. 75, p. 447. 1 column.

A New Iron-Bearing Horizon in the Keewatin in Minnesota. By N. V. Winchell. T. L. S. M. I., vol. 5, p. 46. 2½ pages.

The Iron Ranges of Minnesota. By H. V. Winchell. T. L. S. M. I., vol. 3, p. 15. 18 pages. I. Map.

The Mesabi Iron-Bearing District of Minnesota. By C. K. Leith. U. S. G. S., Monograph XLIII. 316 pages. 1903.

The Vermilion Iron-Bearing District of Minnesota. By J. M. Clements. U. S. G. S., Monograph XLV. 463 pages. 1903.

Iron Ore Mining on the Mesabi Range. By D. E. Woodbridge. E. & M. J., vol. 56, p. 163. ½ column. I.

The Iron Ores of the Mesabi Range. By J. E. Spurr. E. & M. J., vol. 57, p. 583. 2 columns. I.

Mesabi Iron Range. By Kirby Thomas. M. & M., July, 1903, p. 566. ⅔ column.

Explorations on the Mesabi Range. By E. J. Longyear. T. A. I. M. E., vol. 27, p. 537.

Vermilion Iron-Bearing District of Minnesota. By Kirby Thomas. M. & M., June, 1904, pp. 546–547.

The Mesabi Iron-Range. By H. V. Winchell. T. A. I. M. E., vol. 21, p. 644.

The Mesabi Iron-Ore Range. By D. E. Woodbridge. E. & M. J., vol. 79, p. 74, I.; p. 122, I.; p. 170, I.; p. 266, I.; p. 319, I.; p. 365, I.; p. 466, I.; p. 557, I.; p. 892, I.

Notes on Recent Work on the Mesabi Range. By D. E. Woodbridge. E. & M. J., vol. 76, p. 201. 1½ columns.

The Vermilion Iron-Bearing District of Minnesota. By J. N. Clements. U. S. G. S., Monograph XLV. 463 pages. 1903.

The Mesabi Iron Range. E. & M. J., vol. 76, p. 343. 3½ columns.

The Vermilion Iron Range in Minnesota. By D. E. Woodbridge. E. & M. J., vol. 75, p. 261. 1½ columns.

Reputed Nickel Mines of Minnesota. By H. V. Winchell. E. & M. J., vol. 64, p. 578. 1½ columns.

Missouri

The Missouri Gold Deposits. Min. & Sci. Press, vol. 31, p. 338. ½ column.

The Joplin Zinc District. By F. L. Garrison. M. & M., vol. 20, p. 462. 3 columns.

Zinc and Lead Mines of Missouri and Kansas. By H. J. Stevens. M. & M., vol. 20, p. 311. 3 columns.

Lead Mining in Southeastern Missouri. By R. D. O. Johnson. E. & M. J., vol. 80, p. 481. 4⅔ columns.

The Lead-Ore Deposits of Washington County, Missouri. E. & M. J., vol. 76, p. 890. 4½ columns.

The Lead Ores of Southwestern Missouri. By C. V. Petraeus and W. G. Waring. E. & M. J., vol. 80, p. 721. 3 columns.

The Disseminated Lead Ores of Southeastern Missouri. By F. L. Nason. E. & M. J., vol. 73, p. 478. 5 columns. I.

On the Occurrence of Lead-Ores in Missouri. By J. R. Gage. T. A. I. M. E., vol. 3, p. 116.

Notes on the Ore-Deposits, and Ore-Dresing in Southeast Missouri. By J. F. Kemp. Sch. Mines Quart., vol. 9, p. 74. 6 pages. D.

Preliminary Report on the Lead and Zinc Deposits of the Ozark Region. By H. F. Bain. U. S. G. S., 22d Ann. Rept., p. 2, 1901, p. 133.

Preliminary Report on the Lead and Zinc Deposits of the Ozark Region [Missouri, Arkansas]. By H. F. Bain, C. R. Van Hise, and G. I. Adams. U. S. G. S., 22d Ann. Rept., pt. 2, pp. 23–228. 1902.

The Disseminated Lead Ores of Southeastern Missouri. By A. Winslow. U. S. G. S., Bull. No. 132. 31 pages. 1896.

Lead and Zinc Deposits of the Joplin District, Missouri-Kansas. By W. S. T. Smith. U. S. G. S., Bull. No. 213, pp. 197–204. 1903.

The Zinc Mines at Aurora, Missouri. By H. K. Landis. E. & M. J., vol. 60, p. 611. 2 columns. I.

On the Occurrence of Lead-Ores in Missouri. By J. R. Gage. T. A. I. M. E., vol. 3, p. 116.

A Sketch of Mine La Motte, Missouri. By C. R. Keyes. E. & M. J., vol. 62, p. 485. 2½ columns.

Southeastern Missouri Lead Fields. E. & M. J., vol. 71, p. 114. Map.

Distribution of Lead and Zinc Ores near Joplin, Missouri. E. & M. J., vol. 67, p. 321. 1 column. I.

Lead-and-Zinc Deposits of Missouri. By A. Winslow. T. A. I. M. E., vol. 24, pp. 634, 931.

The Southeastern Missouri Lead and Zinc District. By G. C. Broadhead. T. A. I. M. E., vol. 5, p. 100.

Note on the Zinc Deposits of Southern Missouri. By R. W. Raymond. T. A. I. M. E., vol. 8, p. 165.

The Joplin Zinc District: The Peculiarities of the Ore Bodies. By Joe Blyn. M. & M., Feb., 1904, p. 329. 4 columns.

The Missouri and Arkansas Zinc-Mines at the Close of 1900. By Eric Hedburg. T. A. I. M. E., vol. 31, 1901, p. 379.

The Joplin Zinc District. By R. L. Herrick. M. & M., vol. 28, p. 145. 21 columns. I.

Mining and Smelting at Granby, Missouri. By E. T. Perkins. E. & M. J., vol. 84, p. 388. 7 columns. I.

The Yellow Dog Mine and Mill, Joplin, Missouri. By R. L. Herrick. M. & M., vol. 28, p. 167. 6 pages. I.

The Joplin District, Missouri. E. & M. J., vol. 84, p. 885. 1½ columns. Map.

Zinc Industry of the Joplin District. M. & M., vol. 27, p. 209. 1¼ columns.

The Joplin Zinc District of Southwestern Missouri. By J. H. Steele. Min. & Sci. Press, vol. 80, p. 640. 3⅞ columns.

The Lead and Zinc Mines of Southwestern Missouri. By F. C. Florance. Coll. Engr., vol. 13, p. 170. 1¼ columns.

The Zinc Mining Industry of Southwestern Missouri and Southeastern Kansas. By J. R. Holibaugh. E. & M. J., vol. 58, p. 392, 1⅓ columns; p. 413, 1⅔ columns; p. 437, 2 columns; p. 460, 1½ columns; p. 484, 2½ columns; p. 508, 1⅔ columns; p. 535, 3 columns, I.

Condition of the Zinc and Lead Mining Industry of Southwestern Missouri and Southeastern Kansas. By J. R. Holibaugh. E. & M. J., vol. 58, p. 199. 1½ columns.

Local Coal Deposits of Missouri. E. & M. J., vol. 17, pp. 289, 305. I.

Notes on the Mining of Thin Coal Seams in Missouri and Kansas. By A. Winslow. E. & M. J., vol. 53, p. 204. 4⅓ columns. I.

Mine No. 15, Rich Hill, Missouri. By C. Evans. M. & M., vol. 20, p. 412. 1½ columns. I.

A Missouri Coal-Field. By Wm. Griffith. E. & M. J., vol. 77, p. 564. 3½ columns. I.

The Coal-Fields of Missouri. By B. F. Bush. T. A. I. M. E., vol. 35, p. 903. 16 pages. I.

The Iron Mines of Pilot Knob, Mo. By F. Stapff. E. & M. J., vol. 9, p. 259. 6 columns.

The Copper Deposits of Missouri. By H. F. Bain and E. O. Ulrich. U. S. G. S., Bull. No. 260, pp. 233-235. 1905.

The Iron Mountain Mine. By H. M. Beadle. E. & M. J., vol. 60, p. 562. 1 column.

Clay Resources of the St. Louis District, Missouri. By N. M. Fenneman. U. S. G. S., Bull. No. 315, pp. 315–321. 1907.

Missouri Granites. By C. R. Keyes. E. & M. J., vol. 62, p. 199. 5¼ columns. I.

Barytes in Missouri. E. & M. J., vol. 73, p. 762. 1¼ columns.

Mississippi

A New Discovery of Carbonate Iron-Ore at Enterprise, Mississippi. By A. F. Brainerd. T. A. I. M. E., vol. 16, p. 146.

Glass Sand of the Middle Mississippi Basin. U. S. G. S., Bull. No. 285 pp. 459–472. 1906.

Montana

SOME MINES AT BUTTE, MONTANA. Min. & Sci. Press, vol. 75, p. 337. 3 columns. I.

BUTTE MINING DISTRICT. By A. Lakes. M. & M., vol. 20, p. 348. 5 columns. I.

THE QUARTZ MINES NEAR HELENA, MONTANA. E. & M. J., vol. 11, p. 289. 2¼ columns.

A LOW-GRADE PLACER PROPOSITION IN MONTANA. By F. D. Smith. E. & M. J., vol. 68, p. 575. 2½ columns. I.

THE CEDAR CREEK PLACERS, MONTANA. By F. D. Smith. E. & M. J., vol. 67, p. 143. 2 columns. I.

BOULDER MINING DISTRICT, MONTANA. E. & M. J., vol. 60, p. 583. 1 column.

SILVER MINING AND MILLING AT BUTTE, MONTANA. By W. P. Blake. T. A. I. M. E., vol. 16, p. 38.

THE ALICE GOLD AND SILVER MINE, MONTANA. Min. & Sci. Press, vol. 55, p. 33, 4 columns, I.; p. 50, 2¾ columns.

MINERAL DEPOSITS OF THE BITTERROOT RANGE AND THE CLEARWATER MOUNTAINS, MONTANA. U. S. G. S., Bull. No. 213, 1903, pp. 66–70.

THE GEORGETOWN MINING DISTRICT, MONTANA. By R. G. Brown. E. & M. J., vol. 58, p. 345. 2¼ columns. I.

THE AMMON MINES, FERGUS COUNTY, MONTANA. By H. C. Freeman. E. & M. J., vol. 59, p. 416. 1½ columns.

PLACER MINING IN MONTANA. By E. G. Spilsbury. E. & M. J., vol. 44, p. 167. 2 columns. I. Map.

THE BIG INDIAN MINE AND MILL, MONTANA. E. & M. J., vol. 78, p. 225. 1 column. I.

THE ELKHORN MINING DISTRICT, MONTANA. By W. H. Weed. M. & M., vol. 24, p. 178. 4½ columns. I.

THE PORPHYRY DIKE MINES OF MONTANA. By L. A. Sisley. E. & M. J., vol. 64, p. 399. 1¼ columns.

THE ASSOCIATION OF MINERALS IN THE GANGON VEIN, BUTTE CITY, MONTANA. By R. Pearce. T. A. I. M. E., vol. 16, p. 62.

THE RAINBOW LODE, BUTTE CITY, MONTANA. By W. P. Blake. T. A. I. M. E., vol. 16, p. 65.

SOURCE OF THE PLACER GOLD IN ALDER GULCH, MONTANA. M. & M., vol. 25, p. 353. 4½ columns. I.

CERTAIN CONDITIONS IN VEINS AND FAULTS IN BUTTE, MONTANA. By Wm. Braden. J. C. M. I., vol. 5, p. 296. 10 pages. I.

THE KENDALL MINES, FERGUS COUNTY, MONTANA. Min. & Sci. Press, vol. 83, p. 15. ⅔ column.

ORE DEPOSITS AT BUTTE, MONTANA. U. S. G. S., Bull. No. 213, pp. 170–180. 1903.

THE LITTLE ROCKIES MINING DISTRICT, MONTANA. By C. H. Boynton. E. & M. J., vol. 81, p. 181. 2½ columns. I.

THE PENOBSCOT MINE AND MILL, MONTANA. By H. M. Beadle. E. & M. J., vol. 56, p. 33. 1½ columns.

THE BASIN AND BAY STATE MINING COMPANY, MONTANA. By H. M. Beadle. E. & M. J., vol. 59, p. 102. 1 column.

MINERAL RESOURCES OF THE JUDITH MOUNTAINS, MONTANA. By W. H. Weed. E. & M. J., vol. 61, p. 496. 3 columns. I.

ORE DEPOSITS OF THE LITTLE ROCKY MOUNTAINS, MONTANA. By W. H. Weed. E. & M. J., vol. 61, p. 423. 2 columns.

NOTES ON BUTTE, MONTANA. E. & M. J., vol. 74, p. 440. 3½ columns.

THE MINES OF JUDITH BASIN, MONTANA. E. & M. J., vol. 78, p. 96. 2 columns. I.

The Silver Veins of Butte, Montana. E. & M. J., vol. 39, p. 261. 2⅓ columns. I.

Gold Miners of the Marysville District, Montana. By W. H. Weed. U. S. G. S., Bull. No. 213, pp. 88–89. 1903.

Geology of the Marysville Mining District, Montana. By Joseph Barrell. U. S. G. S., Professional Paper No. 57. 1907.

Geology of the Little Belt Mountains, Montana, with Notes on the Mineral Deposits of the Neihart, Barker, Yogo, and other Districts. By W. H. Weed. U. S. G. S., 20th Ann. Rept., pt. 3, pp. 271–461. 1900.

Geology and Ore Deposits of the Elkhorn Mining District, Jefferson County, Montana. By W. H. Weed and J. Barrell. U. S. G. S., 22d Ann. Rept., pt. 2, pp. 399–550. 1902.

Geology of the Castle Mountain Mining District, Montana. By W. H. Weed and L. V. Pirsson. U. S. G. S., Bull. No. 139. 164 pages. 1896.

Geology and Mining Resources of the Judith Mountains of Montana. By W. H. Weed and L. V. Pirsson. U. S. G. S., 18th Ann. Rept., pt. 3, pp. 446–616. 1898.

Economic Geology of the Butte (Copper) District, Montana. U. S. G. S., Geologic Atlas U. S., folio No. 38. 1897.

The Mines and Reduction Works of Butte City, Montana. U. S. G. S., Mineral Resources. 1883–84, pp. 374–396. 1885.

Copper Mines of Butte. E. & M. J., vol. 41, p. 299, 1 column; p. 352, 1½ columns; p. 445, ⅔ column; vol. 39, p. 208, 3 columns, I.

The Cottonwood Mine at Stockett, Montana, and a Description of the Haulage Arrangements there Used. By J. E. Stockett. M. & M., vol. 19, p. 275. 2⅞ columns. I.

Copper at Butte, Montana. By A. H. Halloran. Min. & Sci. Press, vol. 93, p. 169, 6 columns; p. 198, 4 columns, I.; p. 230, 7 columns, I.

The Gem-Jessie Copper and Silver Group at Butte. E. & M. J., vol. 73, p. 107. 2 columns. Map.

The Mines of Butte: The Copper Veins of the Colusa Parrott Mine and a Description of the Silver Belt. By A. Lakes. M. & M., July, 1900, p. 529. 4⅔ columns.

The Synthesis of Chalcocite and Its Genesis at Butte. By H. V. Winchell. E. & M. J., vol. 75, p. 782. 6 columns.

Butte Copper Veins. By H. V. Winchell. E. & M. J., vol. 78, p. 7. 3½ columns. I.

The Speculator Mine, Butte, Montana. E. & M. J., vol. 73, p. 862. 2 columns.

The Ore-Deposits of Butte City. By R. G. Brown. T. A. I. M. E., vol. 24, p. 543.

The Mines of Butte, Montana. By A. Lakes. M. & M., vol. 20, p. 395, 3½ columns, I.; p. 469, 5 columns, I.

The Bear Butte Mineral Formation. By R. W. Barrell. M. & M., vol. 20, p. 512. 4⅓ columns. I.

The Montana Coal-Fields. By J. P. Rowe. Min. Mag., Mar., 1905, p. 241.

The Montana Coal Situation. By R. P. Tarr. E. & M. J., vol. 84, p. 550. 3 columns.

Montana Coal Mines. By J. P. Rowe. M. & M., vol. 27, p. 481. 7½ columns. I.

Coalfields of Montana. By F. W. Parsons. E. & M. J., vol. 84, p. 978. 11½ columns. I.

The Operation of Coal Mines in Montana. By F. W. Parsons. E. & M. J., vol. 84, p. 1071. 11 columns. I.

Coal in Montana. Min. & Sci. Press, vol. 89, p. 427, 3 columns; p. 441, 1¾ columns.

The Coal Fields of Montana. By W. H. Weed. E. & M. J., vol. 53, p. 520, 3⅔ columns, Map; p. 542, 2⅓ columns, I.

Notes on the Coal Fields of Montana. By W. H. Weed. Sch. Mines Quart., vol. 12, p. 128. 4 pages.

E. & M. J., vol. 55, p. 197. 1¾ columns. I.

Flathead Coal Basin, Montana. By H. Wood. E. & M. J., vol. 54, p. 57. ¾ column.

The Coal Fields of Montana. E. & M. J., vol. 55, p. 197. 1¾ columns.

Geological Notes: The Great Falls Coal Field, Montana. By J. S. Newberry. Sch. Mines Quart., vol. 8, p. 327. 8 pages.

The Rocky Mountain Coal Fields [Montana, Wyoming, Colorado, Utah, New Mexico]. By L. S. Storrs. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 415–472. 1902.

Montana Corundum. By L. S. Ropes. E. & M. J., vol. 72, p. 787. 2 columns. I.

Corundum in Montana. By J. A. Edman. Min. & Sci. Press, vol. 84, p. 21. ⅔ column.

The Greatest Gem Mine in the World: The Sapphire Workings at Yogo Gulch, Montana. M. & M., vol. 27, p. 100. ¼ column.

Sapphire Mining, Yogo, Montana. Min. & Sci. Press, vol. 83, p. 34. 3½ columns. I.

The Mining Industry of Butte, Montana, for 1890. E. & M. J., vol. 51, p. 63. 2 columns.

Butte City, Montana. By S. E. Raunheim. E. & M. J., vol. 54, p. 294. 2 columns. I.

Population of Montana. Min. & Sci. Press, vol. 47, p. 182. ¾ column.

The Mining Industry of Butte, Montana. Min. & Sci. Press, vol. 77, p. 552. 5½ columns. I.

Mines of Northwestern Montana. Min. & Sci. Press, vol. 83, p. 78. 1⅔ columns.

Butte Mining District: Its Geology and History, etc. By A. Lakes. M. & M., vol. 20, p. 348, 5 columns, I.; p. 395, 4½ columns, I.

Recent Improvements at Anaconda. By L. S. Austin. Min. & Sci. Press, vol. 92, p. 140. 2 columns. I.

Butte, Montana. By W. S. Hutchinson. E. & M. J., vol. 82, p. 200. 3 columns. I.

Montana Gypsum Deposits. By J. P. Rowe. M. & M., vol. 28, p. 59. 4 columns. I.

Nebraska

A Gold Excitement in Nebraska. By E. H. Barbour. E. & M. J., vol. 67, p. 408. ¾ column.

Coal in Nebraska. By A. W. Clapp. E. & M. J., vol. 73, p. 481. ½ column.

The Deposits of Volcanic Ash in Nebraska. E. & M. J., vol. 64, p. 549. 1¾ columns. I.

New Caledonia

New Caledonia Nickel and Cobalt. By J. Heard. E. & M. J., vol. 46, p. 103, 1 column; vol. 77, p. 20, 1 column.

Geology and Metallurgy of the New Caledonia Nickel Ores. By D. Levat. E. & M. J., vol. 54, p. 32. 2½ columns. I.

Nickel Mining in New Caledonia. By J. Garland. T. I. M. & M., vol. 2, p. 121.

Nickel Deposits in New Caledonia. By R. G. Leckie. J. C. M. I., vol. 6, p. 169. 11 pages. I.

Nickel Mining in New Caledonia. E. & M. J., vol. 69, p. 735. 2 columns. I.

MINERAL RESOURCES OF NEW CALEDONIA. By H. W. Edwards. E. & M. J., vol. 65, p. 641. 3 columns.

COBALT MINING IN NEW CALEDONIA. By G. M. Colvocoresses. E. & M. J., vol. 76, p. 816. 5 columns. I.

NEW CALEDONIA AND ITS MINERALS. By G. M. Colvocoresses. E. & M. J., vol. 84, p. 532. 10 columns. I.

NICKEL MINING IN NEW CALEDONIA. E. & M. J., vol. 84, p. 582. 11½ columns. I.

MINING IN CALEDONIA. E. & M. J., vol. 82, p. 817. 1¾ columns. I.

THE MINERAL RESOURCES OF NEW CALEDONIA. By F. D. Power. T. I. M. & M., vol. 8, p. 426.

Newfoundland

THE GOLD REGION NEAR BRIGUS, NEWFOUNDLAND. By A. Murray. E. & M. J., vol. 31, p. 232. 1 column.

COPPER MINING AT TILT COVE, NEWFOUNDLAND. By W. S. Hutchinson. E. & M. J., vol. 82, p. 397. 1 column.

THE CHROMITE-DEPOSITS ON PORT AU PORT BAY, NEWFOUNDLAND. By G. W. Maynard. T. A. I. M. E., vol. 27, p. 283.

A NEWFOUNDLAND IRON DEPOSIT. By R. E. Chambers. T. F. C. M. I., vol. 1, p. 41. 5 pages. I.

SOME OF THE PYRITES DEPOSITS OF PORT AU PORT, NEWFOUNDLAND. By C. A. Meissner. T. M. Soc. N. S., vol. 7, p. 55. 6½ pages. I.

THE ASBESTOS FIELDS OF PORT AU PORT, NEWFOUNDLAND. By C. E. Willis. J. M. Soc. N. S., vol. 2, p. 166. 8 pages.

NOTES FROM NEWFOUNDLAND. By T. J. Freeman. E. & M. J., vol. 75, p. 259. 2 columns. I.

New Jersey

ERUPTIVE IRON ORES (NEW JERSEY). By F. L. Nason. E. & M. J., vol. 51, p. 693. 1 column.

IRON ORE IN NEW JERSEY. E. & M. J., vol. 75, p. 674. ½ column.

IRON MINES OF NEW JERSEY. Sch. Mines Quart., vol. 4, p. 111. 10 pages.

THE REVIVAL OF IRON MINING IN NEW JERSEY. By F. W. E. Mindermann. E. & M. J., vol. 73, p. 136. 2 columns.

THE MAGNETIC IRON ORES OF NEW JERSEY: Their Geographical Distribution and Geological Occurrence. By J. C. Smock. T. A. I. M. E., vol. 2, p. 314.

THE COPPER DEPOSITS OF NEW JERSEY. By N. S. Keith. Min. Mag., vol. 13, p. 468. 14 columns. I.

SCHUYLER COPPER MINES, NEW JERSEY. M. & M., vol. 20, p. 423. ⅔ column.

THE SCHUYLER COPPER MINES, NEW JERSEY. E. & M. J., vol. 69, p. 135. 2¾ columns. I.

THE GRIGGSTOWN, N. J., COPPER DEPOSIT. U. S. G. S., Bull. No. 225, pp. 187–189. 1904.

ZINC AND MANGANESE DEPOSITS OF FRANKLIN FURNACE, N. J. By J. E. Wolff. U. S. G. S., Bull. No. 213, pp. 214–217. 1903.

THE FRANKLINITE-DEPOSITS OF MINE HILL, SUSSEX COUNTY, NEW JERSEY. By F. L. Nason. T. A. I. M. E., vol. 24, p. 121.

THE MINE HILL ORE DEPOSITS IN NEW JERSEY AND THE WETHERILL CONCENTRATING PLANT. By J. R. Wetherill. E. & M. J., vol. 64, p. 65, 4 columns, I.; p. 98, 5½ columns, I.

GENESIS OF THE MAGNETITE DEPOSITS IN SUSSEX COUNTY, NEW JERSEY. By A. C. Spencer. Min. Mag., Dec. 1904, p. 377. 10 columns. I.

New Mexico

The Lordsburg Mining Region, New Mexico. By F. A. Jones. E. & M. J., vol. 84, p. 444. 6 columns. I.

The Organ Mining District: The Modoc Mine, Modoc, New Mexico. By F. H. Lerchen. M. & M., Aug., 1903, p. 1.

The Cooney District, New Mexico. By B. Graham. E. & M. J., vol. 82, p. 731. 4 columns. I.

The Silver-Mines of Lake Valley, New Mexico. By E. Clark. T. A. I. M. E., vol. 24, p. 138.

The Carlisle Gold Mine and Mill, New Mexico. E. & M. J., vol. 45, p. 397. 2 columns.

The Organ Mining District. By F. H. Lerchen. M. & M., vol. 24, p. 1. 5½ columns. I.

The Cooney Mining District, Socorro County, New Mexico. By C. Andersen. E. & M. J., vol. 59, p. 343. 2¼ columns. I.

The Apache and Black Range Districts, New Mexico. E. & M. J., vol. 60, p. 391. 1 column.

Ore-Deposits of the San Pedro District, New Mexico. By M. B. Yung and R. S. McCaffery. T. A. I. M. E., vol. 33, p. 350.

The Ore Deposits of the San Pedro District, New Mexico. By M. B. Yung and R. S McCaffery. E. & M. J., vol. 75, p. 297. 6 columns. I.

The Mogollon Range: A Description of the Region near Cooney, New Mexico. By W. J. Weatherby. M. & M., Oct., 1901, p. 97.

The Mineral Belt of the Mogollon Range. By C. Andersen. E. & M. J., vol. 64, p. 277. 2 columns.

New Developments in Coalfields of New Mexico. By E. K. Judd. E. & M. J., vol. 84, p. 8. 7 columns. I.

The Koehler Coal Mine, New Mexico. By F. A. Young. M. & M., vol. 28, p. 520. 7 columns. I.

Mescol Canon Coalfield, New Mexico. By C. R. Keyes. E. & M. J., vol. 83, p. 957. 2 columns. I.

Coal Mining in New Mexico. By J. E. Sheridan. Min. Mag., vol. 13, p. 238. 5 columns.

Coal in New Mexico. E. & M. J., vol. 76, p. 1010. ½ column.

The Cerrillos Anthracite Mines. By A. Lakes. M. & M., vol. 21, p. 341. 1½ columns. I.

A New Coal Field in Northwestern New Mexico. By A. Lakes. M. & M., vol. 21, p. 375. 3¾ columns. I.

The Hagan Coalfield. By C. R. Keyes. E. & M. J., vol. 78, p. 670. 4 columns. I.

A New Rocky Mountain Coal-Field, Salado, New Mexico. M. & M., vol. 19, p. 123. 2 columns. I.

The Coal, Graphite and Oil Field of Raton, New Mexico. By A. Lakes. M. & M., Mar., 1902, p. 350. 5⅔ columns.

Remarks on the Occurrence of Anthracite in New Mexico. By R. W. Raymond. T. A. I. M. E., vol. 2, p. 140.

A New Coal Field in Northwestern New Mexico. By A. Lakes. M. & M., vol. 21, p. 375. 3⅔ columns. I.

New Coal Developments in Northern New Mexico. By E. W. Judd. E. & M. J., vol. 80, p. 300. 6 columns. I.

Notes on a Trip to White Oaks, New Mexico. E. & M. J., vol. 77, p. 799. 5½ columns. I.

Burro Mountain Copper District, New Mexico. By W. R. Wade. E. & M. J., vol. 84, p. 355. 4 columns. I.

The Burro Mountain Copper District, New Mexico. By S. S. Lang. E. & M. J., vol. 82, p. 395. 3½ columns. I.

The Burro Mountain Mines, New Mexico. Min. & Sci. Press, vol. 21, p. 73. 5¼ columns. I.

New Mexico vs. Lake Superior as a Copper Producer. By F. M. F. Cazin. E. & M. J., vol. 30, p. 87, 2½ columns; p. 108, 1 column.

Notes on the Oscura Copper-Fields and Other Mines in New Mexico. By E. D. Peters. E. & M. J., vol. 34, p. 270. 3⅓ columns.

The San Pedro Copper Mines in New Mexico. By C. Henrich. E. & M. J., vol. 43, p. 183. 1 column.

The Burro Mountain Copper District, New Mexico. By G. D. Reid. E. & M. J., vol. 74, p. 778. 3½ columns. I.

The Copper-Deposits of the Sierra Oscura, New Mexico. By H. W. Turner. T. A. I. M. E., vol. 33, p. 678.

Copper Deposits of Mora County, New Mexico. By W. L. Austin. E. & M. J., vol. 65, p. 370. ⅞ column.

Kelly, New Mexico: A Zinc Camp. By R. B. Brinsmade. M. & M., vol. 27, p. 49. 8 columns. I.

Zinc Mining in New Mexico. By R. W. Haddon. E. & M. J., vol. 81, p. 845. 3½ columns. I.

The Zinc-Ore Deposits of Southwestern New Mexico. By W. P. Blake. T. A. I. M. E., vol. 24, p. 187.

Zinc-Ore Deposits of New Mexico. By W. P. Blake. E. & M. J., vol. 57, p. 532. 1¾ columns.

The Jones Iron Fields of New Mexico. By N. W. Emmens. Min. Mag., vol. 13, p. 109. 16 columns. I.

Iron Deposits of the Chudadera Mesa, New Mexico. E. & M. J., vol. 78, p. 632. 1½ columns. I.

Developments in Northern New Mexico. E. & M. J., vol. 68, p. 393. 1 column. I.

Turquoise Mining in New Mexico. By W. C. Fenderson. Min. & Sci. Press, vol. 74, p. 192. 2½ columns. I.

Turquoise in Southwestern New Mexico. E. & M. J., vol. 51, p. 719. ½ column.

Turquoise of New Mexico. By B. Silliman. E. & M. J., vol. 32, p. 169. 1⅔ columns. I.

The Turquoise Mines of the Cerrillos Mountains in New Mexico. By A. Lakes. M. & M., Apr., 1901, p. 395. 2 columns.

Gypsum in Northwestern New Mexico. E. & M. J., vol. 83, p. 1091. 1 column.

The White Sands of New Mexico: Gypsum. By F. W. Brady. M. & M., vol. 25, p. 529. 4 columns. I.

Gypsum in Northwestern New Mexico. By M. K. Shaler. U. S. G. S., Bull. No. 315, pp. 260–265. 1907.

Clay Deposits of the Western Part of the Durango-Gallup Coal Field, Colorado and New Mexico. By M. K. Shaler and J. H. Gardner. U. S. G. S., Bull. No. 315, pp. 296–302. 1907.

Zuñi Salt Deposits, New Mexico. By N. H. Darton. U. S. G. S., Bull. No. 260, pp. 565–566. 1905.

Notes on Two Ore-Deposits of Southwestern New Mexico. By H. Van F. Furman. Sch. Mines Quart., vol. 6, p. 138. 4 pages. I.

Ore Deposits of the Sierra de Los Caballos. By C. R. Keyes. E. & M. J., vol. 80, p. 149. 5½ columns. I.

Gila River (New Mexico) Alum Deposits. E. & M. J., vol. 83, p. 853. 1¼ columns.

New Mexican Mines. Min. & Sci. Press, vol. 45, p. 305. 4 columns. Map.

New Mexico: General and Mineral Resources. Min. & Sci. Press, vol. 34, p. 346. 3½ columns. I.

A Valuable Bat Cave in New Mexico. By F. W. Brady. M. & M., vol. 26, p. 97. 2½ columns. I.

Alunogen and Bauxite of New Mexico. By W. P. Blake. T. A. I. M. E., vol. 24, p. 571.

Mining in the Wollastonite Ore Deposits of the Santa Fé Mine. By E. T. McCarthy. T. I. M. & M., vol. 4, p. 169.

Mineral Deposits of New Mexico. By Waldemar Lindgren and L. C. Graton. U. S. G. S., Bull. No. 285, pp. 74–86. 1906.

Nova Scotia

In Nova Scotia: By T. A. Rickard. Min. & Sci. Press, vol. 91, p. 273, 2 columns, Map; p. 290, 2 columns; p. 311, 3¼ columns, I.; p. 327, 3 columns, I.

Gold Mines of Nova Scotia. Min. & Sci. Press, vol. 27, p. 74. 1 column.

The Gold-Mines of Nova Scotia. T. F. I. M. E., vol. 7, p. 564. 2 pages.

The Gold Bearing Tailing of Nova Scotia. By F. H. Mason. T. F. C. M. I., vol. 2, p. 244. 6 pages.

On the Gold Measures of Nova Scotia and Deep Mining. By E. R. Faribault. J. C. M. I., vol. 2, p. 119. 9 pages. I.

Gold Mining in Nova Scotia from 1860 to 1899. By A. R. C. Selwyn. J. C. M. I., vol. 2, p. 162. 3 pages.

Notes on the Mining of Low Grade Gold Ore in Nova Scotia. By C. F. Andrews. T. F. C. M. I., vol. 2, p. 5. 8 pages. I.

The Nova Scotia Gold Mines. By E. Gilpin. T. A. I. M. E., vol. 14, p. 674.

Gold-Mining in Nova Scotia. By F. H. Mason. T. F. I. M. E., vol. 10, p. 281. 7 pages.

Gold Mining in Nova Scotia: A Review of Operations in the Various Localities. By J. Rutherford. J. M. Soc. N. S., vol. 3, p. 125. 16 pages.

Notes on Some Special Features in Lode Formation and Deposition of Gold, as Presented in the Waverley Gold District, Halifax County, Nova Scotia. By B. C. Wilson. J. M. Soc. N. S., vol. 2, pt. 1, p. 32. 14 pages.

The West Gore Antimony Deposits, Nova Scotia. Min. & Sci. Press, vol. 83, p. 77. 2 columns. I.

The Antimony Deposits at West Gore, Nova Scotia. By W. R. Askwith. E. & M. J., vol. 72, p. 255. 1 column.

Notes on Nova Scotia Iron Ores. By E. Gilpin. J. M. Soc. N. S., vol. 1, pt. 2, p. 8. 6½ pages.

Notes on Some Comparisons Between Southern and Nova Scotia Iron Methods. By C. A. Meissner. T. F. C. M. I., vol. 1, p. 243. 12 pages.

The Iron-Ores of Pictou County, Nova Scotia. By E. Gilpin. T. A. I. M. E., vol. 14, p. 54.

Notes on the History of Manganese Mining in Part of Nova Scotia, and on Some of the Geological Conditions of the Manganese Belt Running Through Hants County. By W. F. Jennison. J. M. Soc. N. S., vol. 8, p. 106. 3½ pages.

Note on an Occurrence of Manganese and Zinc Ore in Nova Scotia. By E. Gilpin. J. M. Soc. N. S., vol. 2, p. 70. 4½ pages.

Manganese Deposits of Nova Scotia. By W. F. Jennison. T. F. C. M. I., vol. 3, p. 167. 6 pages.

Notes on the Grand Lake Coal Field of New Brunswick. By R. G. E. Leckie. T. F. C. M. I., vol. 1, p. 67. 5 pages.

Limits of the Workable Coals of the Cumberland Coal Fields in Nova Scotia. By H. Fletcher. J. M. Soc. N. S., vol. 8, p. 123. 5 pages.

Notes on the Drummond Colliery, Westville, Nova Scotia. By C. Fergie. J. M. Soc. N. S., vol. 1, pt. 4, p. 41. 7 pages.

Submarine Coal Mining in Nova Scotia. E. & M. J., vol. 82, p. 354. 1½ columns.

Coal Mining in Nova Scotia. By E. Gilpin. Coll. Engr., vol. 10, p. 3. 8½ columns. I.

Sidney Coal Mines, Cape Breton. E. & M. J., vol. 54, p. 221. ⅔ column.

On the Possible Occurrence of a Coal Area Beneath the Neo-Carboniferous or Peruvian Strata of Pictou County, Nova Scotia. By H. M. Ami. J. C. M. I., vol. 5, p. 358. 6 pages. I.

Nova Scotia Coal. Engineering, London, vol. 73, p. 788. 1½ columns.

Mines and Mining in Nova Scotia. By G. W. Maynard. J. M. Soc. N. S., vol. 7, p. 84. 4 pages.

Barytes Deposits at Five Islands, Nova Scotia. By W. S. Hutchinson. E. & M. J., vol. 84, p. 825. 5 columns. I.

On the Occurrence of Galena at Smithfield, Nova Scotia. By J. E. Hardman. T. F. C. M. I., vol. 1, p. 215. 5 pages.

The Coxheath Copper Mines, Cape Breton, Nova Scotia. E. & M. J., vol. 52, p. 428, 1½ columns; vol. 49, p. 445, 2 columns, I.

The New Works of the New Glasgow Iron, Coal and Railway Company at Ferroña, Nova Scotia. By W. Stein. J. M. Soc. N. S., vol. 2, p. 75. 9 pages.

Mineral Development of Nova Scotia. By E. Gilpin. T. F. I. M. E., vol. 7, p. 557. 15 pages.

A Mineralized Zone in Nova Scotia. By H. S. Poole. T. F. C. M. I., vol. 1, p. 221. 11 pages. I.

Nevada

Modernizing the Comstock Lode. By L. M. Hall. Min. & Sci. Press, vol. 92, p. 183. 1½ columns. I.

Comstock Mining and Miners. By E. Lord. U. S. G. S., Monograph 4, 1883, 451 pages.

The Consolidated Virginia Mine, Nevada. E. & M. J., vol. 20, p. 430. 2 columns.

The Gold-Silver Veins of Ophir, Comstock. Min. & Sci. Press, vol. 71, p. 216, 2½ columns; p. 233, 2½ columns.

Deep Levels of the Comstock Lode. Min. & Sci. Press, vol. 76, p. 155. 2¾ columns.

The Comstock Lode. Min. & Sci. Press, vol. 25, p. 248, 5½ columns, I.; p. 280, 3 columns, I.; p. 386, ⅔ column.

A Day at the Comstock Lode. By J. A. Whitney. E. & M. J., vol. 12, p. 259. 1½ columns.

The New Comstock Enterprise. By Dan De Quille. E. & M. J., vol. 60, p. 3. 1¼ columns.

Pay Chutes in the Comstock Lode. Min. & Sci. Press, vol. 38, p. 201. 1½ columns. I.

The Future of the Comstock. Min. & Sci. Press, vol. 38, p. 304. ⅔ column.

Is the Comstock Dead? or Where Do Mineral Deposits End? Min. & Sci. Press, vol. 39, p. 395. 2 columns.

The Comstock Compared with Other Fissures. Min. & Sci. Press, vol. 40, p. 338. 1½ columns.

The Big Bonanza: Comstock Lode. Min. & Sci. Press, vol. 31, p. 194. 4 columns; vol. 32, p. 22, ½ column, p. 145, ¾ column; p. 146, ¾ column; vol. 34, p. 118, ½ column.

The Silver King Mine. By W. P. Blake. E. & M. J., vol. 35, p. 238, 2 columns; p. 254, 4¼ columns, I.; p. 270, 2⅔ columns.

The Delamar and the Horn-Silver Mines. By S. F. Emmons. T. A. I. M. E., vol. 31, p. 658.

Delamar, Nevada, Mines. By J. W. Neill. Min. & Sci. Press, vol. 85, p. 282. 2 columns. I.

White Pine Mining Companies. Min. & Sci. Press, vol. 18, p. 221. 2½ columns.

Vein Characteristics and Geology of White Pine. Min. & Sci. Press, vol. 18, p. 226. 2¼ columns.

Vein vs. Deposit—White Pine. Min. & Sci. Press, vol. 18, p. 249. ½ column.

Vein Systems of White Pine. Min. & Sci. Press, vol. 18, p. 290. 1½ columns.

Ore Deposits of Treasure Hill and White Pine Districts. Min. & Sci. Press., vol. 18, p. 308, 3½ columns; p. 312, 2 columns.

The White Pine Mining District: Its Geographical Position, Elevation and Winter Climate. By Dr. De Groot. Min. & Sci. Press, vol. 18, p. 18. 2⅔ columns; p. 100, 1⅞ columns.

White Pine Items: Immigration, etc. Min. & Sci. Press, vol. 18, p. 173.

Going to White Pine. Min. & Sci. Press, vol. 18, p. 184. 2 columns.

The Silver-Lead Mines of Eureka, Nevada. By W. R. Ingalls. E. & M. J., vol. 84, p. 1051. 16 columns. I.

Silver-Lead Deposits of Eureka, Nevada. By J. S. Curtis. U. S. G. S., Monograph VII. 1884. 200 pages.

Geology of the Eureka District, Nevada. By A. Hague. U. S. G. S., Monograph XX. 419 pages. 1892.

The Ore-Deposits of Eureka District, Eastern Nevada. By W. P. Blake. T. A. I. M. E., vol. 6, p. 554.

The Eureka Lode of Eureka, Eastern Nevada. By W. S. Keyes. T. A. I. M. E., vol. 6, p. 344.

Tonopah, Nevada. Min. & Sci. Press, vol. 94, p. 690. 3½ columns. I.

Tonopah, Nevada. By C. T. Rice. E. & M. J., vol. 82, p. 106. 7½ columns. I.

Mining at Tonopah, Nevada. By C. T. Rice. E. & M. J., vol. 82, p. 156, 6 columns, I.; p. 199, 3 columns, I.

Tonopah. By S. A. Knapp. Min. & Sci. Press, vol. 82, p. 231. 1¼ columns. I.

Tonopah, Nevada. Min. & Sci. Press, vol. 83, p. 192. 6⅔ columns. I.

The Geologic and Economic Aspects of Tonopah. Min. & Sci. Press, vol. 86, p. 20. 2 columns.

The Mines of Tonopah. Min. & Sci. Press, vol. 86, p. 279. 1 column.

Ore Deposits of Tonopah. Min. & Sci. Press, vol. 86, p. 338. 2 columns.

Tonopah District, Nevada. Min. & Sci. Press, vol. 88, p. 364. 1⅔ columns.

Observations on Tonopah and Goldfield. By S. C. Wiel. Min. & Sci. Press, vol. 89, p. 238. 3⅓ columns. I.

The New Gold Camps of Southern Nevada. Min. & Sci. Press, vol. 89, p. 361. 6⅔ columns. I.

Tonopah and Goldfield: Their Rapid Development. Min. & Sci. Press, vol. 90, p. 84. 3½ columns. I.

The Goldfield District, Nevada. Min. & Sci. Press, vol. 90, p. 150. I. 6¾ columns.

Mines of Tonopah. Min. & Sci. Press, vol. 90, p. 182. I. 3½ columns.

Some Notes on Tonopah. E. & M. J., vol. 79, p. 1084. 4 columns. I.

Early History of Tonopah. E. & M. J., vol. 78, p. 135. 2¼ columns. I.

Notes on Tonopah, Nevada. By S. A. Easton. E. & M. J., vol. 73, p. 697. 1¾ columns.

The Mines of Tonopah Lake, Nevada. E. & M., J. vol. 72, p. 787. 2 columns.

Tonopah Mining Camp: Some Notes on Its Location, the Geological Formations of the Region, and the Mines in Operation. By A. Lakes. M. & M., May, 1904, p. 479. 5¾ columns. I.

Tonopah and Goldfield, and Their Rapid Development. Min. & Sci. Press, Feb. 11, 1905, p. 84.

Geology of Tonopah District, Nevada. Min. & Sci. Press, vol. 90, p. 369. 3⅔ columns.

Tonopah, Nevada: Its Development. Min. & Sci. Press, vol. 91, p. 10. 1½ columns. I.

Geology of Tonopah. Min. & Sci. Press, vol. 91, p. 360, I.; 2 columns. p. 381.

The Manhattan Mining District, Nevada. By C. T. Rice. E. & M. J., vol. 82, p. 581. 10 columns. I.

Manhattan, Nevada. Min. & Sci. Press, vol. 92, p. 106. 2¾ columns. I.

Manhattan, Nevada. By A. H. Halloran. Min. & Sci. Press, vol. 92, p. 380. 4 columns. I.

Ely, Nevada. By A. H. Halloran. Min. & Sci. Press, vol. 93, p. 11. 3 columns.

Mining Conditions at Ely, Nevada. By E. W. Ralph. Min. & Sci. Press, vol. 94, p. 120. 4 columns.

A Visit to Ely, Nevada. By J. W. Abbott. Min. & Sci. Press, vol. 94, p. 759. 4½ columns. I.

The Bullfrog Mining District, Nevada. By C. T. Rice. E. & M. J., vol. 82, p. 534. 8 columns. I.

Bullfrog, Nevada. E. & M. J., vol. 80, p. 12. 2½ columns. I.

The Bullfrog District, Nevada. Min. & Sci. Press, vol. 90, p. 273. 1 column.

Goldfield District, Nevada. Min. & Sci. Press, vol. 90, p. 393. 8 columns. I.

Goldfield, Nevada. Min. & Sci. Press, vol. 94, p. 721. 6 columns. I.

Goldfield, Nevada. By C. T. Rice. E. & M. J., vol. 82, p. 339. 10½ columns. I.

The Goldfields District, Nevada. By J. E. Spurr. M. & M., vol. 25, p. 332. 2¾ columns.
E. & M. J., vol. 78, p. 581. 2 columns. I.

The District of Goldfield, Nevada E. & M. J., vol. 78, p. 383. 5½ columns. I.

The Goldfields District, Nevada: The Results of the Investigations by J. E. Spurr of the U. S. Geol. Survey. M. & M., Feb., 1905, p. 332. 3 columns.

The Goldfields District, Nevada. By E. P. Jennings. J. C. M. I., vol. 8, p. 39. 7½ pages.

Mining in the Wonder District, Nevada. By E. R. Zalinski. E. & M. J., vol. 83, p. 763. 6⅞ columns. I.

Recent Developments at Wonder, Nevada. By E. R. Zalinski. E. & M. J., vol. 84, p. 357. 3½ columns. I.

Wonder, Nevada. By W. F. Boericke. Min. & Sci. Press, vol. 93, p. 59. 1 column.

Ramsey, Nevada. Min. & Sci. Press, vol. 93, p. 327. 2½ columns.

The Santa Fe Mining District, Nevada. M. & M., Apr., 1901, p. 407. 1 column.

The Mines of Esmeralda County, Nevada. By H. W. Turner. Min. & Sci. Press, vol. 82, p. 73. 3 columns.

The Bodie Mines. Min. & Sci. Press, vol. 36, pp. 82, 114, 242, 258, 274, 345, 377.

Gold Mountain District, Nevada. Min. & Sci. Press, vol. 18, p. 62. 1½ columns.

The Gold Belts of Nevada. E. & M. J., vol. 59, p. 532. 1⅞ columns.

Nevada Silver Ore Deposits. Min. & Sci. Press, vol. 17, p. 402. 1¾ columns.

Nevada Silver Mines. E. & M. J., vol. 10, p. 163, 1½ columns; p. 178, 3½ columns, I.; p. 200, 1 column.

Mining at Diamondfield, Nevada. E. & M. J., vol. 82, p. 1017. 2¼ columns. I.

The Nevada Gold Fields. E. & M. J., vol. 79, p. 1003. 1½ columns.

Native Alloy (Gold and Silver) on the Comstock. Min. & Sci. Press, vol. 28, p. 232. ½ column.

The Ore Deposit at Contact, Nevada. By C. W. Purington. E. & M. J., vol. 76, p. 426, 4¾ columns, I.; p. 612, 5 columns, I.

GOLD AND SILVER AT FAIRVIEW, NEVADA. By C. T. Rice. E. & M. J., vol. 82, p. 729. 7 columns. I.

THE MINES OF THE FAIRVIEW DISTRICT, NEVADA. By E. R. Zalinski. E. & M. J., vol. 83, p. 699. 13½ columns. I.

GEOLOGY OF THE COMSTOCK LODE AND THE WASHOE DISTRICT; WITH ATLAS. By G. F. Becker. U. S. G. S., Monograph III. 422 pages. 1882.

ORE DEPOSITS OF THE SILVER CREEK QUADRANGLE, NEVADA. U. S. G. S., Bull. No. 225, pp. 111–117. 1904.

ORE DEPOSITS OF TONOPAH AND NEIGHBORING DISTRICTS, NEVADA. U. S. G. S., Bull. No. 213, pp. 81–87. 1903.

PRELIMINARY REPORT ON THE ORE DEPOSITS OF TONOPAH. U. S. G. S., Bull. No. 225, pp. 89–110. 1904.

SILVER-LEAD DEPOSITS OF EUREKA, NEVADA. By J. S. Curtis. U.S.G.S., Monograph VII. 200 pages. 1884.

THE ORES OF GOLDFIELD, NEVADA. U. S. G. S., Bull. No. 260, pp. 132–139. 1905.

DEVELOPMENT AT TONOPAH DURING 1904. U. S. G. S., Bull. No. 260, pp. 140–149. 1905.

GEOLOGY OF THE EUREKA DISTRICT, NEVADA. By Arnold Hague. U. S. G. S., Monograph XX. 419 pages. 1892.

GEOLOGICAL RECONNAISSANCE IN SOUTH WESTERN NEVADA AND EASTERN CALIFORNIA. By S. H. Ball. U. S. G. S., Bull. No. 285, pp. 53–73. 1906. Also Bulletin No. 308.

NOTES ON THE GEOLOGY OF THE GOLDFIELDS DISTRICT, NEVADA. U. S. G. S., Bull. No. 225, pp. 118–129. 1904.

GEOLOGY OF THE TONOPAH MINING DISTRICT, NEVADA. U. S. G. S., Professional Paper No. 42. 295 pages. 1905.

THE COPPER MINES OF NEVADA. By Dan De Quille. Min. & Sci. Press, vol. 74, p. 70. 2 columns.

COPPER MINING IN NEVADA. By M. L. Requa. Min. & Sci. Press, vol. 93, p. 546. 2 columns.

COPPER DEPOSITS AT ELY, NEVADA. By W. S. Bullock. M. & M., vol. 27, p. 518. 4½ columns. I.

GENESIS OF THE COPPER DEPOSITS OF YERINGTON, NEVADA. By E. P. Jennings. E. & M. J., vol. 83, p. 1143. 2½ columns.

THE COPPER MINES OF ELY, NEVADA. By W. R. Ingalls. E. & M. J., vol. 84, p. 675. 18 columns. I.

THE PRODUCTIVE AND EARNING CAPACITY OF ELY, NEVADA. E. & M. J., vol. 84, p. 719. 12 columns. I.

THE LOW-GRADE COPPER DEPOSITS AT ELY, NEVADA. By W. S. Bullock. E. & M. J., vol. 83, p. 509. 9 columns. I.

THE OSCEOLA, NEVADA, TUNGSTEN DEPOSITS. By F. D. Smith. E. & M. J., vol. 73, p. 304. 3 columns. I.

AN OCCURRENCE OF TUNGSTEN ORE IN EASTERN NEVADA. By F. B. Weeks. E. & M. J., vol. 72, p. 8. 3 columns. I.

AN OCCURRENCE OF TUNGSTEN ORE IN EASTERN NEVADA. By F. B. Weeks. U. S. G. S., 21st Ann. Rept., pt. 6, pp. 319–320. 1901.

NEVADA SULPHUR DEPOSITS. Min. & Sci. Press, vol. 35, p. 73. 2 columns.

NEVADA SULPHUR DEPOSITS. By R. L. Fulton. E. & M. J., vol. 68, p. 64. ⅔ column.

SULPHUR DEPOSITS OF UTAH AND NEVADA. By I. C. Russell. E. & M. J., vol. 35, p. 31. 2⅔ columns.

THE RABBIT HOLE SULPHUR MINES, NEAR HUMBOLDT HOUSE, NEVADA. By G. I. Adams. U. S. G. S., Bull. No. 225, pp. 497–500. 1904.

THE COAL FIELDS OF ESMERALDA COUNTY, NEVADA. By M. A. Knapp. Min. & Sci. Press, vol. 74, p. 133. 2 columns. I.

CARBONIFEROUS COAL IN NEVADA. By A. J. Brown. T. A. I. M. E., vol. 3, p. 31.

A Nevada Coal Field. By W. J. Stoneham. E. & M. J., vol. 77, p. 1009. 1¾ columns.

Tungsten Ore in Eastern Nevada. By F. B. Weeks. U. S. G. S., Bull. No. 213, p. 103. 1903.

A Nevada Zinc Deposit. U. S. G. S., Bull. No. 285, pp. 166–169. 1906.

Alum Deposit near Silver Peak, Esmeralda County, Nevada. By J. E. Spurr. U. S. G. S., Bull. No. 225, pp. 501–502. 1904.

The Manufacture of Bluestone at the Lyon Mill, Dayton, Nevada. By J. E. Gignoux. U. S. G. S., Mineral Resources for 1882, pp. 297–305. 1883.

The Occurrence of Stibnite at Steamboat Springs, Nevada. By W. Lindgren. T. A. I. M. E., vol. 36, p. 27. 3½ pages.

Salt in Nevada. Min. & Sci. Press, vol. 36, p. 295. ¾ column.

Note on an Occurrence of Nickel and Cobalt in Nevada. By A. D. Hodges, Jr. T. A. I. M. E., vol. 13, p. 657.

Nitrate Deposits, Humboldt County, Nevada. Min. & Sci. Press, vol. 84, p. 63. ½ column.

Occurrence and Treatment of the Carbonate of Soda Deposits of the Great Basin, Nevada. Min. & Sci. Press, vol. 77, p. 448. 2½ columns.

Mining in Southern Nevada in 1893. By M. H. Joseph. E. & M. J., vol. 57, p. 77. 1 column.

Mining Developments in Lincoln County, Nevada. E. & M. J., vol. 73, p. 446. 2 columns.

Mining in Nevada. E. & M. J., vol. 78, p. 701. 2 columns.

The Groux Mines, Nevada. E. & M. J., vol. 82, p. 985. 4¾ columns. Map.

The Renaissance of Nevada. Min. & Sci. Press, vol. 94, p. 573. 3¼ columns.

Yerington, Nevada. Min. & Sci. Press, vol. 94, p. 349. 2 columns.

Mining in Nevada. By C. G. Yale. Min. & Sci. Press, vol. 94, p. 251. 2 columns.

The Old Camp of Ward, Nevada. By H. R. Plate. Min. & Sci. Press, vol. 94, p. 281. 1⅔ columns.

The Walker Lake Mineral Field, Nevada. By A. Selwyn-Brown. E. & M. J., vol. 82, p. 1157. ⅞ column.

Round Mountain Camp, Nevada. By G. A. Packard. E. & M. J., vol. 83, p. 150. 6 columns. I.

Notes on Southern Nevada and Inyo County, California. By H. H. Taft. T. A. I. M. E., vol. 37, p. 178. 20 pages.

The Bullionville and Furguson Districts in Nevada. By W. S. Godbe. E. & M. J., vol. 57, p. 106. ⅔ column.

Nevada's Surface Mineral Wealth, By C. H. Fitch. Min. & Sci. Press, vol. 85, p. 4. 1 column.

The Ore Deposits of Pioche, Nevada. E. & M. J., vol. 51, p. 171. 1¼ columns.

Aurora, Nevada: A Little of Its History, Past and Present. By H. G. Clarke. Sch. Mines Quart., vol. 3, p. 133. 4½ pages.

Pahranagat District, Nevada. By R. W. Raymond. E. & M. J., vol. 9, p. 162. 3¾ columns.

Nicaragua

Nicaragua's Gold Deposits. Coll. Engr. & Met. Miner, vol. 17, p. 159. 1½ columns.

The New Gold Fields of the Mosquito Coast of Nicaragua. By C. De Kalb. E. & M. J., vol. 57, p. 294. 1⅓ columns.

The Segovia Gold Region of Nicaragua. By H. H. Miller. E. & M. J., vol. 64, p. 335. 2⅞ columns. I.

Gold in Nicaragua. By C. T. Mixer. E. & M. J., vol. 66, p. 125. 4 columns. I.

Mining in Eastern Nicaragua: A Description of an Out-of-the-Way Gold Region, Its People and Resources. By J. D. Lowry. M. & M., Feb., 1902, p. 320. 1½ columns.

Mining in Nicaragua. By H. E. West. Min. Mag., vol. 11, p. 509. 12 columns. I.

Mineral Resources of Nicaragua. E. & M. J., vol. 46, p. 324. 1 column.

Mining in Nicaragua, Central America. By H. E. West. Min. & Sci. Press, vol. 88, p. 409. 1⅓ columns.

New York

Magnetite Deposits and Mining at Mineville, N. Y. By J. H. Granbery. E. & M. J., vol. 81, p. 890, 6 columns, I.; p. 986, I.; p. 1082, 8½ columns, I.; p. 1130, 7½ columns, I.; p. 1035, 11 columns, I.

The Hematite Ore Mines and Blast Furnaces East of the Hudson River. By J. F. Lewis. T. A. I. M. E., vol. 5, p. 216.

Brown Hematite Deposits of Eastern New York and Western New England. By E. C. Eckel. E. & M. J., vol. 78, p. 432. 6 columns. I.

Min. Mag., Dec., 1904, p. 418. 1 column.

Remarks on the Magnetites of Clifton, in St Lawrence County, New York. By B. Silliman. T. A. I. M. E., vol. 1, p. 364.

Hematite Mining in New York. By R. B. Brinsmade. E. & M. J., vol. 82, p. 493, 11½ columns, I.; p. 554.

Magnetite Mines at Lyon Mountain, New York. By D. H. Newland and N. V. Hansell. E. & M. J., vol. 82, p. 863, 7¾ columns, I.; p. 916, 6¾ columns, I.

Magnetite Deposits at Mineville, New York, and a Description of the New Electric Concentrating Plant. By Heinrich Reis. M. & M., Sept., 1903, p. 49. 4¼ columns. I.

Magnetic Deposits at Mineville, New York: Electric Concentrating Plant. By H. Reis. M. & M., vol. 24, p. 47. 4½ columns. I.

Magnetite Deposits and Mining at Mineville, New York. By J. H. Granbery. E. & M. J., vol. 81, p. 1178. 5 columns.

The Late Discovery of Large Quantities of Magnetic and Non-Magnetic Pyrites in the Croton Magnetic Iron-Mines. By W. H. Hoffman. T. A. I. M. E., vol. 21, p. 513.

The Spathic Iron Ores of the Hudson River. By R. W. Raymond. T. A. I. M. E., vol. 4, p. 339.

The Iron-Mines of Putnam County, New York. By A. F. Wendt. T. A. I. M. E., vol. 13, p. 478.

Limonite Deposits of Eastern New York and Western New England. U. S. G. S., Bull. No. 260, pp. 335–342. 1905.

The Titaniferous Iron Ores of the Adirondacks, New York. By J. F. Kemp. U. S. G. S., 19th Ann. Rept., pt. 3, pp. 377–422. 1899.

Pyrite Deposits of the Eastern Adirondacks, New York. U. S. G. S., Bull. No. 260, pp. 587–588. 1905.

Pyrite Mining in St. Lawrence County, New York. By R. B. Brinsmade. E. & M. J., vol. 80, p. 770. 4 columns. I.

Graphite in New York. By D. H. Newland. E. & M. J., vol. 80, p. 241. 1¾ columns.

The New York Graphite Industry. By D. H. Newland. E. & M. J., vol. 81, p. 88. 1 column.

Graphite in the Eastern Adirondacks. U. S. G. S., Bull. No. 225, pp. 512–514. 1904.

The Rossie Lead Veins, New York. By C. H. Smyth. Sch. Mines Quart., vol. 24, p. 421. 10 pages. I.

THE ZINC MINES AT ELLENVILLE, NEW YORK. By A. O. Ihlseng. E. & M. J., vol. 75, p. 630. 2 columns. I.

ZINC ORE IN NORTHERN NEW YORK. By D. H. Newland. E. & M. J., vol. 81, p. 1094. 3¼ columns. I.

THE NEW YORK SLATE INDUSTRY. By J. N. Nevins. E. & M. J., vol. 67, p. 587, 3¾ columns, I.; p. 622, 1½ columns.

SALT AND OTHER RESOURCES OF THE WATKINS GLEN QUADRANGLE, NEW YORK. By E. M. Kindle. U. S. G. S., Bull. No. 260, pp. 567–572. 1905.

THE ONONDAGA SALT WELLS IN 1890. By F. E. Engelhardt. E. & M. J., vol. 51, p. 235. 1⅓ columns.

THE GODERICH SALT REGION. By T. S. Hunt. E. & M. J., vol. 10, p. 34, 2 columns; p. 50, 1¾ columns.

THE REMINGTON SALT COMPANY, NEW YORK. By C. S. Palmer. E. & M. J., vol. 81, p. 1238. 1⅔ columns.

THE EMERY DEPOSITS OF WESTCHESTER COUNTY, NEW YORK. By E. C. Eckel. U. S. G. S., Mineral Industry, vol. 9, pp. 15–17. 1901.

FELDSPAR AND QUARTZ DEPOSITS OF SOUTHEASTERN NEW YORK. U. S. G. S., Bull. No. 315, pp. 394–399. 1907.

MARBLE QUARRYING AT GOUVERNEUR, NEW YORK. By R. B. Brinsmade. E. & M. J., vol. 80, p. 728. 7½ columns. I.

GARNET MINES IN THE ADIRONDACKS. E. & M. J, vol. 68, p. 461. 1¼ columns. I.

NOTE ON A DEPOSIT OF FIRE-SAND IN CLINTON COUNTY, NEW YORK. By A. F. Brainerd. T. A. I. M. E., vol. 14, p. 757.

THE NICKEL MINE AT LANCASTER GAP, PENNSYLVANIA, AND THE PYRRHOTITE DEPOSITS AT ANTHONY'S NOSE, ON THE HUDSON. By J. F. Kemp. T. A. I. M. E., vol. 24, pp. 620–883.

New Zealand

THE DISCOVERY OF GOLD IN NEW ZEALAND. E. & M. J., vol. 53, p. 131. ½ column.

DREDGING FOR GOLD IN NEW ZEALAND. By R. Payne. E. & M. J., vol. 72, p. 398. 3¼ columns. I.

THE HOURAKI GOLD MINING DISTRICT, AUCKLAND, NEW ZEALAND. By D. H. Bayldon. T. F. I. M. E., vol. 1, p. 223. 10 pages. I.

ALLUVIAL WORKINGS IN OTAGO, NEW ZEALAND. T. F. I. M. E., vol. 3, p. 657. I.

GOLD-DREDGING IN OTAGO, NEW ZEALAND. By F. W. Payne. T. I. M. E., vol. 23, p. 532 11 pages. I.

GOLD WASHING AND DREDGING IN NEW ZEALAND. E. & M. J., vol. 50, p. 510. 1 column.

GOLD-MINING IN THE HOURAKI DISTRICT, NEW ZEALAND. By H. M. Cadwell. T. F. I. M. E., vol. 10, p. 389. 28 pages. I.

THE GOLD-FIELDS OF THE HOURAKI PENINSULA, NEW ZEALAND. By J. Campbell. T. F. I. M. E., vol. 12, p. 462. 26 pages. I.

THE GOLD-FIELDS OF THE HOURAKI DISTRICT, NEW ZEALAND. By J. A. Wauchope. T. F. I. M. E., vol. 14, p. 19. 28 pages.

THE HOURAKI GOLDFIELDS, NEW ZEALAND. By W. Lindgren. E. & M. J., Feb. 2, 1905, p. 218. 9½ columns. I.

THE HOURAKI GOLDFIELDS, NEW ZEALAND. E. & M. J., vol. 79, p. 861. 5 columns.

HYSTEROMORPHOUS AURIFEROUS DEPOSITS OF THE TERTIARY AND CRETACEOUS PERIODS IN NEW ZEALAND. By H. A. Gordon. T. A. I. M. E., vol. 25, p. 292.

A NEW ZEALAND GOLD MINE. E. & M. J., vol. 63, p. 187. 2 columns. I.

AURIFEROUS IRON SANDS OF NEW ZEALAND. Min. & Sci. Press, vol. 82, p. 240. 1½ columns.

THE UNITED AND CHAMPION COPPER MINES OF NEW ZEALAND. By C. Henrich. E. & M. J., vol. 46, p. 414. 4¾ columns. I.

NATIVE COPPER IN NEW ZEALAND. By W. H. Baker. E. & M. J., vol. 71, p. 752. 1 column.

CHROME ORE IN NEW ZEALAND. E. & M. J., vol. 65, p. 190. ⅓ column.

PLATINUM IN NEW ZEALAND. E. & M. J., vol. 67, p. 528. ⅓ column.

A NEW ZEALAND SULPHUR ISLAND. By R. W. Emerson. E. & M. J., vol. 45, p. 399. 2 columns.

NOTES ON THE COALFIELDS OF NEW ZEALAND. By James Park. T. I. M. & M., vol. 8, p. 148.

MINING IN NEW ZEALAND. By G. J. Binns. T. F. I. M. E., vol. 3, p. 644, 34 pages, I.; vol. 4, p. 59, 24 pages; vol. 5, p. 31, 51 pages.

METALLIFEROUS MINING IN NEW ZEALAND. By J. Plummer. E. & M. J., vol. 59, p. 508. ⅔ column.

NEW ZEALAND. E. & M. J., vol. 61, p. 517. 1¾ columns. I.

THE SHALE-OIL WORKS AT OREPUKI, NEW ZEALAND. By R. Dunlop. E. & M. J., vol. 72, p. 40. 1¼ columns.

Norway

THE SYDVARANGER IRON DEPOSITS, NORWAY. E. & M. J., vol. 81, p. 371. 1½ columns.

THE IRON ORE DEPOSITS OF VARANGER, NORWAY. By H. Lund. E. & M. J., vol. 77, p. 553. ¾ column.

THE SILICEOUS IRON-ORES OF NORTHERN NORWAY. By H. T. Newbigin. T. I. M. E., vol. 15, p. 154. 18 pages. I.

THE DUNDERLAND IRON-ORE DEPOSITS, NORWAY. E. & M. J., vol. 80, p. 869. 2 columns.

ON THE NICKEL DEPOSITS OF NORWAY. By R. G. Licke. J. C. M. I., vol. 7, p. 401. 9½ pages.

NOTES ON THE OCCURRENCE OF MICA IN SOUTH NORWAY. By J. F. Wells. T. I. M. & M., vol. 7, p. 334. 6 pages. I.

MINING IN NORWAY: Locations, Histories, and Products of Mines. By M. Alger. M. & M., vol. 25, p. 591. 3¼ columns.

Ohio

GOLD IN OHIO. Geol. Repts. State of Ohio, vol. 1, fol. 462.

Geol. Survey of Ohio, 1874, fol. 70 and 71.

THE PITTSBURG OR NO. 8 SEAM IN OHIO. By J. L. Pultz. E. & M. J., vol. 82, p. 350. 6 columns. I.

THE BITUMINOUS COAL FIELD OF OHIO. By R. M. Haseltine. U. S. G. S., 22d Ann Rept., pt. 3, pp. 215–226. 1902.

STRATIGRAPHY OF THE BITUMINOUS COAL FIELD OF PENNSYLVANIA, OHIO, AND WEST VIRGINIA. By I. C. White. U. S. G. S., Bull. No. 65. 212 pages. 1891.

THE WELLSTON COAL DISTRICT IN OHIO. By J. A. Ede. E. & M. J., vol. 57, p. 126. 1¼ columns.

BEDFORD CANNEL COAL, OHIO. E. & M. J., vol. 37, p. 175. 2½ columns.

THE OHIO AND INDIANA COAL-FIELDS. By G. H. Ashley. Min. Mag., Mar., 1905, p. 233.

THE COAL AND IRON OF THE HOCKING VALLEY, OHIO. By T. S. Hunt. T. A. I. M. E., vol. 7, p. 313.

THE COALS OF THE HOCKING VALLEY, OHIO. By T. S. Hunt. T. A. I. M. E., vol. 2, p. 273.

THE HOCKING VALLEY COAL REGION IN OHIO. E. & M. J., vol. 63, p. 213, 1 column.

THE CONGO COAL MINE IN OHIO. E. & M. J., vol. 63, p. 259. 1½ columns.

THE BEREA GRIT OIL SAND IN THE CADIZ QUADRANGLE, OHIO. By W. T. Griswold. U. S. G. S., Bull. No. 198. 43 pages. 1902.

Structural Work During 1901–2 in the Eastern Ohio Oil Fields. By W. T. Griswold. U. S. G. S., Bull. No. 213, pp. 336–344. 1903.

The Trenton Limestone as a Source of Petroleum and Inflammable Gas in Ohio and Indiana. By E. Orton. U. S. G. S., 8th Ann. Rept., pt. 2, pp. 475–662. 1889.

Gypsum or Land Plaster in Ohio. By E. Orton. U. S. G. S., Mineral Resources for 1887. pp. 596–601. 1888.

Oklahoma (Indian Territory)

Reported Gold Deposits of the Wichita Mountains, Oklahoma. By H. F. Bain. U. S. G. S., Bull. No. 225, pp. 120–122. 1904.

Geology of the McAlester-Lehigh Coal Field, Indian Territory. By J. A. Taff. U. S. G. S., 19th Ann. Rept., pt. 3, pp. 423–600. 1898.

The Southwestern Coal Field [Indian Territory, Arkansas, Texas]. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 367–414. 1902.

Geology of the Eastern Choctaw Coal Field, Indian Territory. By J. A. Taff and G. I. Adams. U. S. G. S., 21st Ann. Rept., pt. 2, pp. 257–311. 1900.

The Poteau Coal Mines: A Description of the Modern Equipment and Methods of Working Employed. By W. R. Crane. M. & M., vol. 26, p. 84. 6 columns. I.

The Choctaw Coalfield. By H. M. Chance. E. & M. J., vol. 48, p. 494. 1½ columns.

Coal Mining in the Indian Territory. By W. R. Crane. E. & M. J., vol. 81, p. 658. 8¼ columns. I.

Coal Mining in the Indian Territory. By W. R. Crane. E. & M. J., vol. 76, p. 577. 13 columns. I.

Coal and Asphalt Lands in Indian Territory. E. & M. J., vol. 75, p. 715. ½ column.

Albertite-like Asphalt in the Choctaw Nation, Indian Territory. By J. A. Taff. Am. Jour. Sci., 4th ser., vol. 8, pp. 219–224, 1899.

Asphaltic Coal in the Indian Territory. By W. R. Crane. M. & M., vol. 26, p. 252. 7 columns. I.

Asphalt Mining and Refining in the Indian Territory. By W. R. Crane. E. & M. J., vol. 76, p. 926. 8 columns. I.

Asphalt in the Indian Territory. E. & M. J., vol. 80, p. 442. 4 columns. I.

Lead and Zinc Mining in Oklahoma. By W. R. Crane. M. & M., vol. 27, p. 445. 3 columns. I.

The Quawpaw Zinc District. By W. R. Crane. E. & M. J., vol. 80, p. 488. 6⅔ columns. I.

Notes on the Geology of the Muscogee Oil Fields, Indian Territory. By J. A. Taff and M.K. Shaler. U. S. G. S., Bull. No. 260, pp. 441–445. 1905.

Oregon

The Bohemia Mining Region of Western Oregon, with Notes on the Blue River Mining Region. By J. S. Diller. U. S. G. S., 20th Ann. Rept., 1900, pt. 3, pp. 7–36.

The Gold Belt of the Blue Mountains of Oregon. U. S. G. S., 22d Ann. Rept., 1902, pt. 2, pp. 551–776.

Quartz Veins and Mines of Southern Oregon. By D. H. Stovall. Min. & Sci. Press, vol. 87, p. 391. 1 column.

The Granite Hill Mines of Southern Oregon. Min. & Sci. Press., vol. 89, p. 309. 1⅔ columns. I.

Gold Mining in Oregon: A Description of the Development of the Mines and the Peculiarities of the Ores and Veins. By R. W. Barrell. M. & M., vol. 19, p. 12. 7⅓ columns. I.

Gravel Gold Mining in Oregon: The American Bar Mine. E. & M. J., vol. 61, p. 397. ½ column. I.

Southern Oregon Placer Conditions. Min. & Sci. Press, vol. 80, p. 432. 3 columns. I.

Eastern Oregon Gold Fields. Min. & Sci. Press, vol. 75, p. 192. 3 columns. I.

Bohemia Mining District of Western Oregon. By J. P. Kimball. E. & M. J., vol. 73, p. 889. 6 columns. D. 'Map.

Gold Mining in Eastern Oregon. By H. M. Beadle. E. & M. J., vol. 73, p. 136. ⅞ column.

Silver Mud, Oregon. Min. & Sci. Press, vol. 34, p. 415, 1⅓ columns; p. 8, ¾ column; vol. 35, p. 73, ½ column.

The Columbia Placer, Oregon. By J. W. Abbott. E. & M. J., vol. 65, p. 431. 2½ columns. I.

Elkhorn Mountain and Rock Creek District of the Blue Mountains, Oregon. By R. W. Barrell. E. & M. J., vol. 62, p. 128. 2 columns.

The Distribution of Placer Gold in Oregon. By C. W. Washburne. Min. & Sci. Press, vol. 88, p. 299. 1½ columns.

The Gold Belt of the Blue Mountains of Oregon. U. S. G. S., 22d Ann. Rept., pt. 2, pp. 551–776. 1902.

Notes on the Oregon Nickel (Deposits) Prospects. By A. R. Ledoux. J. C. M. I., vol. 4, p. 184. 6 pages.

Nickel Deposits Near Riddle, Oregon. By W. L. Austin. M. & M., vol. 19, p. 226. 1½ columns. I.

Nickel Deposits of Nickel Mountain, Oregon. By G. F. Kay. U. S. G. S., Bull. No. 315, pp. 120–127. 1907.

So-called Iron Ore near Portland, Oregon. By J. S. Diller. U. S. G. S., Bull. No. 260, pp. 343–347. 1905.

The Quicksilver Deposits of Oregon. By W. B. Dennis. E. & M. J., vol. 76, p. 539. 7¼ columns. I.

The Coal and Pitch Coal of the Newport Mine, Oregon. By W. C. Day. U. S. G. S., 19th Ann. Rept., pt. 3, pp. 370–376. 1899.

Coal Mining in Oregon. By D. H. Stovall. M. & M., vol. 26, p. 203. 1 column.

A Borax Mine in Southern Oregon. By W. B. Dennis. E. & M. J., vol. 73, p. 581. 1 column. I.

Panama

Modern Gold-Mining in the Darien: Notes on the Reopening of the Espiritu Santa Mine, Cana. By E. R. Woakes. T. A. I. M. E., vol. 29, p. 249.

Gold on the Isthmus of Panama. E. & M. J., vol. 34, p. 173. ½ column.

Coal on the Isthmus of Panama. E. & M. J., vol. 76, p. 168. ½ column.

Mineral Resources of the Isthmus of Panama. By I. Blanchard. E. & M. J., vol. 6, p. 377, 1 column; p. 407, 1 column; p. 393, ½ column.

Pennsylvania

Mining Anthracite Coal in the Wyoming Valley. By M. S. Hachita. E. & M. J., vol. 84, p. 1169. 7 columns. I.

The So-called New Supplies of Anthracite. By H. W. Althouse. E. & M. J., vol. 84, p. 500. 9¾ columns. I.

The Anthracite Mines at Alden, Pennsylvania. By M. S. Hachita. E. & M. J., vol. 84, p. 1216. 11 columns. I.

Anthracite Coal on Perkiomen Creek, Pennsylvania. By O. C. S. Carter. E. & M. J., vol. 58, p. 147. ⅔ column.

Sketch of the Scranton Coal Mining District. By D. Coghlan. E. & M. J., vol. 5, p. 322, 1½ columns; p. 336, 2 columns.

The Anthracite Coal-Beds of Pennsylvania. By C. A. Ashburner. T. A. I. M. E., vol. 11, p. 136.

The Anthracite Coal-Fields of Pennsylvania. By A. H. Storrs. Min. Mag., Mar., 1905, p. 211.

Notes on the Bernice Anthracite Coal-Basin, Sullivan County, Pennsylvania. By C. R. Claghorn. T. A. I. M. E., vol. 17, p. 606.

The Original Southern Limit of the Pennsylvania Anthracite-Beds. By B. S. Layman. T. A. I. M. E., vol. 33, p. 561.

The Boissevain Plant, Pocahontas Coal Field, Pennsylvania. M. & M., vol. 28, p. 497. 7 columns. I.

The Pennsylvania Anthracite Coal Field. By H. H. Stoek. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 55–118. 1902.

Recent Work in the Bituminous Coal Field of Pennsylvania. U. S. G. S., Bull. No. 213, pp. 270–275. 1903.

The Bituminous Coal Field of Pennsylvania. By D. White and M. R. Campbell. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 127–200. 1902.

The North Shaft Mine of the Susquehanna Coal Company at Nanticoke, Pennsylvania. By E. E. Winter. J. C. M. I., vol. 9, p. 375. 12 pages. I.

Operation and Equipment of the St. Clair Colliery, Pennsylvania. By F. W. Parsons. E. & M. J., vol. 83, p. 1150. 5 columns. I.

Mining in the Georges Creek Coalfield, Pennsylvania. By F. W. Parsons. E. & M. J., vol. 82, p. 687. 14½ columns. I.

The Phillips (Coal) Plant, Fayette County, Pennsylvania. By A. F. Allard. M. & M., vol. 28, p. 387. 8 columns. I.

Pittsburg, with its Black Diamonds. By A. P. Kirtland. P. E. Soc. W. Pa., vol. 15, p. 203. 19½ pages. I.

Workable Coal Seams of Western Pennsylvania. By W. Seddon. E. & M. J., vol. 84, p. 549. 5 columns.

Mining in the Cumberland Gap Coalfield. By J. L. Pultz. E. & M. J., vol. 83, p. 808. 9 columns. I.

Consolidation of Five Large Coal Mines (Pittsburg District). E. & M. J., vol. 82, p. 640. 8 columns. I.

Seaboard Coal Regions Along the B. & O. R. R., Pennsylvania and West Virginia. By B. S. Randolph. Min. Mag., Mar., 1905, p. 229.

The Coal Mines on the West Side Belt Railroad, Pennsylvania. By S. Sanford. E. & M. J., vol. 79, p. 651. 14 columns. I.

Great Lakes Coal Company, Pennsylvania. By J. L. Pultz. E. & M. J., vol. 81, p. 650. 5¼ columns. I.

National Mining Company's Mines, Pennsylvania. E. & M. J., vol. 81, p. 459. 8 columns. I.

Soldier Run Mine, Reynoldsville, Pennsylvania. By F. M. Brown. Coll. Engr. & Met. Miner, vol. 14, p. 150. 9 columns. I.

The Connellsville Coke Region of Western Pennsylvania. E. & M. J., vol. 27, p. 163. 4 columns. I.

The Girard Coal Lands, Pennsylvania. By E. C. Wagner. Coll. Engr., vol. 9, pp. 4, 138, 172, 206.

A Monongahela River Mine. E. & M. J., vol. 78, p. 542. 2¼ columns.

Coal Mining in the Pittsburg District, Pennsylvania. E. & M. J., vol. 77, p. 914. 1¾ columns.

The Vesta Number 4 Colliery, Pennsylvania. E. & M. J., vol. 77, p. 1039. 6 columns. I.

The Somerville Mines of the Beech Creek Coal and Coke Company, Pennsylvania. E. & M. J., vol. 77, p. 120. 2 columns. I.

THE ELK LICK MINES OF THE SOMERSET COAL COMPANY, PENNSYLVANIA. E. & M. J., vol. 77, p. 159. 3 columns. I.

VESTA NUMBER 4 MINE, CALIFORNIA, PENNSYLVANIA. By W. L. Affelder. M. & M., vol. 25, p. 321. 1½ columns. I.

THE REYNOLDSVILLE, PENNSYLVANIA, COAL FIELD AND A NOVEL DRAINAGE SYSTEM. By F. M. Brown. E. & M. J., vol. 55, p. 366. 2½ columns. I.

MINES NOS. 1 AND 2 OF THE NATIONAL MINING COMPANY: The Two Best Equipped Mines in the Pittsburg Thin-vein District. By J. Collins. M. & M., vol. 26, p. 145. 8 columns. I.

THE DEVELOPMENT OF THE INDIANA COUNTY, PENNSYLVANIA, COALFIELD. By W. G. Irwin. E. & M. J., vol. 73, p. 134. 1½ columns.

NOTES ON THE LOWER COAL MEASURES OF WESTERN CLEARFIELD COUNTY, PENNSYLVANIA. By J. F. Kemp. Sch. Mines Quart., vol. 14, p. 349. 6 pages.

THE CUMBERLAND PLATEAU COAL-FIELD. By M. S. Duffield. E. & M. J., vol. 74, p .442. 4½ columns. I.

BITUMINOUS COAL IN PENNSYLVANIA. E. & M. J., vol. 51, p. 696. 1 column.

THE LEITH MINE: A Description of a Modern Mine and Coke Works in the Connellsville Region. By H. L. Auchmuty. Coll. Engr. & Met. Miner, vol. 17, p. 1, 12½ columns, I.; p. 41, 7 columns, I.

ELLANGOWAN COLLIERY, PENNSYLVANIA: Occurrence of Coal, Methods of Mining, etc. By G. B. Hadesty. Coll. Engr. & Met. Miner, vol. 16, p. 1. 11 columns. I.

GEORGES CREEK, CUMBERLAND COAL-BASIN, PENNSYLVANIA. By B. S. Randolph. M. & M., vol. 19, p. 422. 3¾ columns. I.

THE CONNELLSVILLE COKING REGION. By F. C. Keighley. M. & M., vol. 20, p. 319. 5½ columns.

THE BIG STONE GAP COAL-FIELD. By J. M. Hodge. T. A. I. M. E., vol. 21, pp. 922, 1004.

LOWER PRODUCTIVE COAL MEASURES OF THE BITUMINOUS REGIONS OF PENNSYLVANIA: The Importance of a Knowledge of Their Characteristic Features. By T. K. Adams. M. & M., Mar., 1903, p. 348. 10 columns.

DEVELOPMENT OF THE CONNELLSVILLE COKE REGION. By W. G. Irwin. E. & M. J., vol. 69, p. 351. 1½ columns.

THE AVAILABLE TONNAGE OF THE BITUMINOUS COAL-FIELDS OF PENNSYLVANIA. By H. M. Chance. T. A. I. M. E., vol. 10, p. 144.

THE QUEMAHONING COAL-FIELD OF SOMERSET COUNTY, PENNSYLVANIA. By J. P. Kimball. T. A. I. M. E., vol. 12, p. 469.

GEOLOGY AND MINING IN THE NORTHERN COAL-FIELD OF PENNSYLVANIA. By F. A. Hill. T. A. I. M. E., vol. 15, p. 699.

THE INDIANA AND CLARION COAL-FIELDS IN WESTERN PENNSYLVANIA. By W. G. Irwin. E. & M. J., vol. 71, p. 80. ½ column.

THE COAL-FIELD OF SOMERSET COUNTY, PENNSYLVANIA. By W. G. Irwin. E. & M. J., vol. 71, p. 527. 1¾ columns. I.

THE LATROBE COAL AND COKING FIELD IN PENNSYLVANIA. By W. G. Irwin. E. & M. J., vol. 71, p. 720. 1⅓ columns. I.

THE BUCKSTOWN COAL FIELDS, BERLIN BASIN, SOMERSET COUNTY, PENNSYLVANIA. By H. W. Althouse. E. & M. J., vol. 69, p. 291. 1 column. I.

THE CONNELLSVILLE COKE REGION. By T. W. Keighley. Min. Mag., Mar., 1905, p. 222.

THE MAHONING VALLEY COAL REGIONS. By A. Roy. T. A. I. M. E., vol. 4, p. 188.

THE EARLY COAL INDUSTRY IN WESTERN PENNSYLVANIA. By W. G. Irwin. M. & M., May, 1902, p. 458. 1½ columns.

THE CONNELLSVILLE REGION: Its Mineral Resources, the Extent of Territory, the Methods of Mining and Amount of Output. By H. N. Eavenson. M. & M., Aug., 1902, p. 26. 6½ columns.

THE BLOSSBURG COAL REGION: Its Location and Geology, the Mining Methods and Machinery Used. By A. Hardt. M. & M., vol. 19, p. 126. 4½ columns. I.

LIMONITE ORES OF PENNSYLVANIA. By T. C. Hopkins. M. & M., vol. 21, p. 97. 7 columns. I.

THE MINING AND WASHING OF IRON ORES AT SCOTIA, PENNSYLVANIA. By H. H. Stoek. Coll. Engr. & Met. Miner, vol. 16, p. 101. 4 columns.

THE CORNWALL IRON-ORE MINES, LEBANON COUNTY, PENNSYLVANIA. By E. V. d'Invilluis. T. A. I. M. E., vol. 14, p. 873.

THE PAINT-ORE MINES AT LEHIGH GAP. By C. E. Hesse. T. A. I. M. E., vol. 19, p. 321.

THE CORNWALL IRON MINE AND SOME RELATED DEPOSITS IN PENNSYLVANIA. By T. S. Hunt. T. A. I. M. E., vol. 4, p. 319.

NOTES ON THE IRON-ORES OF DANVILLE, PENNSYLVANIA; with a Description of the Long Wall Method of Mining Used in Working Them. By H. H. Stoek. T. A. I. M. E., vol. 20, p. 369.

THE MINERAL PAINT ORES OF LEHIGH GAP, PENNSYLVANIA. By E. C. Eckel. U. S. G. S., Bull. No. 315, pp. 435–437. 1907.

METALLIC PAINTS OF THE LEHIGH-GAP DISTRICT, PENNSYLVANIA. By E. C. Eckel. U. S. G. S., Mineral Resources for 1906, pp. 1120–1122. 1907.

THE SLATE INDUSTRY OF PENNSYLVANIA. By J. Hess. E. & M. J., vol. 64, p. 185. 1 column.

THE SLATE INDUSTRY AT SLATINGTON, PENNSYLVANIA, AND MARTINSBURG, WEST VIRGINIA. U. S. G. S., Bull. No. 213, pp. 361–364. 1903.

GRAPHITE AND GARNET INDUSTRIES IN PENNSYLVANIA: Where the Minerals Occur, the Uses to which They are put, and Their Values. By T. C. Hopkins. M. & M., vol. 21, p. 352. 2 columns.

RELATIONS OF THE GRAPHITE DEPOSITS OF CHESTER COUNTY, PENNSYLVANIA, TO THE GEOLOGY OF THE ROCKS CONTAINING THEM. By P. Frazer. T. A. I. M. E., vol. 9, p. 730.

BARITE IN SOUTHERN PENNSYLVANIA. By G. W. Stose. U. S. G. S., Bull. No. 225, pp. 515–517. 1904.

A PHOSPHATE PROSPECT IN PENNSYLVANIA. By M. C. Ihlseng. U. S. G. S., 17th Ann. Rept., pt. 3, pp. 955–957. 1896.

PHOSPHORUS ORE AT MOUNT HOLLY SPRINGS, PENNSYLVANIA. By G. W. Stose. U. S. G. S., Bull. No. 315, pp. 474–483. 1907.

THE LANCASTER COUNTY, PENNSYLVANIA, ZINC MINES. E. & M. J., vol. 24, p. 3. 1 column.

THE COPPER DEPOSITS OF ADAMS COUNTY, PENNSYLVANIA. By J. Trowbridge. E. & M. J., vol. 35, p. 88, 2½ columns; p. 112, 1 column.

BROWNSTONES OF PENNSYLVANIA. U. S. G. S., 18th Ann. Rept., pt. 5, pp. 1025–1043. 1897.

LIMESTONES OF SOUTHWESTERN PENNSYLVANIA. By F. G. Clapp. U. S. G. S., Bull. No. 249. 52 pages. 1905.

FIRE CLAY: A Study of the Clays of Clinton County, Pennsylvania, What Constitutes Fire Clay, How it is Deposited. M. & M., Mar., 1904, p. 378. 2½ columns.

THE MINERALS OF SOUTHWESTERN PENNSYLVANIA. By E. C. Perchin. T. A. I. M. E., vol. 3, p. 399.

The First Pool Mines, Pennsylvania. E. & M. J., vol. 81, p. 516. 7¾ columns. I.

Industries of the Schuylkill Valley. By J. Birkinbine. T. A. I. M. E., vol. 21, p. 618.

Notes on Clays and Shales in Central Pennsylvania. By G. H. Ashley. U. S. G. S., Bull. No. 285, pp. 442–444. 1906.

White Clays of South Mountain, Pennsylvania. By G. W. Stose. U. S. G. S., Bull. No. 315, pp. 322–334. 1907.

Clays of the Ohio Valley in Pennsylvania. By L. H. Woolsey. U. S. G. S., Bull. No. 225, pp. 463–480. 1904.

Clays and Shales of Southwestern Cambria County, Pa. By W. C. Phalen and Lawrence Martin. U. S. G. S., Bull. No. 315, pp. 344–354. 1907.

Clays and Shales of the Clarion Quadrangle, Clarion County, Pennsylvania. By E. F. Lines. U. S. G. S., Bull. No. 315, pp. 335–343. 1907.

Description of the Brownsville-Connellsville Quadrangles, Pennsylvania. By M. R. Campbell. U. S. G. S., Geologic Atlas, folio 94, p. 19. 1903.

The Nineveh and Gordon Oil Sands in Western Greene County, Pennsylvania. By F. G. Clapp. U. S. G. S., Bull. No. 285, pp. 362–366. 1906.

The Gaines Oil Field in Northern Pennsylvania. By M. L. Fuller. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 573–627. 1902.

Oil and Gas Fields of Eastern Greene County, Pennsylvania. By R. W. Stone. U. S. G. S., Bull. No. 225, pp. 396–412. 1904.

Oil and Gas Fields of Greene County, Pennsylvania. By R. W. Stone and F. G. Clapp. U. S. G. S., Bull. No. 304. 110 pages. 1907.

The Hyner Gas Pool, Clinton County, Pennsylvania. U. S. G. S., Bull. No. 225, pp. 392–395. 1904.

Burgettstown and Claysville Quadrangles, Ohio, West Virginia, and Pennsylvania. U. S. G. S., Bull. No. 318. 196 pages. 1907.

Mineral Resources of the Elders Ridge Quadrangle, Pennsylvania. By R. W. Stone. U. S. G. S., Bull. No. 256. 86 pages. 1905.

Persia

The Mineral Resources of Persia. By R. Helmhacker. E. & M. J., vol. 66, p. 38. 2 columns.

The Turquoise Mines of Persia. E. & M. J., vol. 62, p. 417. 1 column.

Peru

Peru. By R. T. Mason. E. & M. J., vol. 79, p. 1091. 6½ columns. I.

The Peruvian Gold Regions. By F. Edmunds. E. & M. J., vol. 50, p. 71. 1 column.

Auriferous Deposits of Peru. E. & M. J., vol. 49, p. 706. ½ column.

Mining in Peru. E. & M. J., vol. 77, p. 167. 1 column.

The Auriferous Deposits of Sandia, Peru. T. I. M. E., vol. 30, p. 625. 2 pages.

The Cerro de Pasco Mining Industry. By O. F. Pfordte. T. A. I. M. E., vol. 24, p. 107.

The Cerro de Pasco Silver Mines and the Collo, Lima, and Oroya Railroad of Peru. E. & M. J., vol. 26, p. 435. 5½ columns. I.

The Cerro de Pasco Mines, Peru. Min. & Sci. Press, vol. 37, p. 41. 4 columns.

The Cerro de Pasco Mines in Peru. E. & M. J., vol. 72, p. 138. ¾ column.

The Gold-Fields of Sandia, Peru. By H. Tweddle. E. & M. J., vol. 63, p. 449, 4 columns, I.; p. 479, 3½ columns. I.

Gold and Copper Mining in Peru. By E. Laroza. Min. Mag., Jan., 1905, p. 49. 20 columns. I.

The Salpo Mining District, Peru. E. & M. J., vol. 77, p. 407. 1¼ columns.

The Cerro de Pasco Copper Mines of Peru. E. & M. J., vol. 74, p. 742. 2½ columns.

The Quicksilver Mine of Santa Barbara, Peru. E. & M. J., vol. 5, p. 277. 1¼ columns.

Quicksilver Deposits of Huancavelica, Peru. By A. J. Umlauff. 1 column.

Cuerpo de Ingenieros de Minas del Peru. Min. Mag., Jan., 1905, p. 88.

The Coal and Mineral Resources of Peru. By E. Lane. T. F. I. M. E., vol. 3, p. 750. 22 pages. I.

On the Use of Fuel at Cayeloma, Peru. By B. Hunt. T. I. M. & M., vol. 6, p. 278.

Anthracite Coal in Peru. By W. Griffiths. E. & M. J., vol. 66, p. 514. ½ column.

A New Occurrence of Vanadium in Peru. By F. Hewett. E. & M. J., vol. 82, p. 385. 2½ columns.

Peruvian Mining. Engineering, London, vol. 78, p. 314. 1½ columns.

The Mineral Resources of Peru. By A. L. M. Gottschalk. M. & M., vol. 27, p. 132. 5½ columns. I.

The Mining Industry in Peru. By M. C. Gonzales. Min. Mag., vol. 13, p. 549. 22 columns. I.

Mining Belt of Peru. Min. & Sci. Press, vol. 60, p. 9, 3¼ columns, I., Map; p. 27, 4 columns, Map.

Mines of Peru. Min. & Sci. Press, vol. 43, p. 222. ⅞ column.

Mining in Peru. By A. L. Pease. T. I. M. & M., vols. 1 and 2, p. 344.

A Rich Peruvian Mining Region: A Geological Description of the Mineral Resources in the Neighborhood of Hualgayoc, Peru. By W. Griffith. M. & M., vol. 18, p. 256. 2¾ columns.

Mining in Peru. M. & M., Dec., 1903, p. 206.

Mining in the Department of Ancachs, Peru. By F. J. Schafer. E. & M. J., vol. 64, p. 274. 2 columns.

Peru's Mining Industries. By H. L. Geissel. M. & M., vol. 21, p. 80. 3½ columns.

Mineral Production of Peru in 1904. Min. Mag., vol. 12, p. 303. 6 columns.

Philippine Islands

Gold Mining in the Philippines. E. & M. J., vol. 82, p. 102. 1 column. I.

Gold and Silver in the Philippines. E. & M. J., vol. 80, p. 769. ⅔ column.

A Gold Deposit in the Philippines. By A. M. Howe. E. & M. J., vol. 72, p. 703. ¾ column.

Notes on the Pigholugan and Pigtao Gold-Regions, Island of Mindanao, Philippine Islands. By J. C. Nichols. T. A. I. M. E., vol. 31, p. 611.

The Pigholugan and Pigtao Gold Regions, Island of Mindanao, Philippine Islands. By J. C. Nichols. E. & M. J., vol. 72, p. 599. 3 columns.

Gold in the Philippines. By W. G. Irwin. E. & M. J., vol. 69, p. 585. 1¼ columns.

The Iron Mines of Angat, Philippine Islands. By H. D. McCaskey. E. & M. J., vol. 76, p. 736. 2⅞ columns.

Coal Fields of the Philippines: Facts in Regard to Their Location, Extent, Quality of the Coal and the Opportunity for Profitable Operation. By G. D. Rice. M. & M., vol. 21, p. 205. 3½ columns.

Non-Metallic Minerals in the Philippines. By W. D. Smith. E. & M. J., vol. 84, p. 403. ⅞ column.

Mining in the Philippines. Min. & Sci. Press, vol. 82, p. 48. 2¾ columns.

Mines and Minerals in the Philippines. By T. Chase. E. & M. J., vol. 83, p. 852. 3¾ columns.

Minerals of the Philippines. Min. & Sci. Press, vol. 82, p. 231. 2 columns.

Mining in the Philippines. E. & M. J., vol. 73, p. 625. 2½ columns. I. Min. Mag., vol. 12, p. 486. 8 columns.

Present Mining Conditions in the Philippines. E. & M. J., vol. 79, p. 1033. 3 columns.

The Mineral Resources of the Philippines. E. & M. J., vol. 79, p. 1042. 8½ columns.

Mines and Mining in the Philippines. By E. C. Smith. M. & M., Nov., 1904, p. 199.

Mining Among the Moros in the Philippines. By "Manila." E. & M. J., vol. 71, p. 695. 1¾ columns.

Some of the Resources of the Philippines. By G. D. Rice. E. & M. J., vol. 69, p. 435. 2 columns.

Mineral Resources of the Philippine Islands. E. & M. J., vol. 65, p. 702. 2 columns.

Portugal

The Portuguese Manica Gold-Field. By A. R. Sawyer. T. I. M. E., vol. 19, p. 265, 14 pages, I.; vol. 25, p. 637, 6 pages, I.

The Panasqueira Tungsten District, Portugal. By W. Preus. E. & M. J., vol. 83, p. 843. 2½ columns. Map.

Coal in Portugal. E. & M. J., vol. 61, p. 137. 1 column.

Notes on Mining in Portugal. By R. Fisher. T. F. I. M. E., vol. 10, p. 121. 6 pages. I.

Mining in Oporto, Portugal. By F. Merricks. T. I. M. & M., vols. 1 and 2, p. 289.

Russia

A Visit to the Gold Fields of Orenburg, Russia. By F. H. Hatch. T. I. M. & M., vol. 16, p. 300. 10½ pages.

Barbarous Silver Mining in Russia. E. & M. J., vol. 48, p. 425. ½ column.

The Gold Placers of Bokhara, Russia. By E. D. Levat. E. & M. J., vol. 76, p. 969. 2 columns.

The Russian Gold Mining Industry. E. & M. J., vol. 57, p. 339. 2 columns.

The Kotchkar Gold-Mines, Ural Mountains, Russia. By H. B. C. Nitze and C. W. Purington. T. A. I. M. E., vol. 28, pp. 24, 844.

Gold and Lead Mines in Southern Russia. By R. Helmhacker. E. & M. J., vol. 66, p. 548. 1 column.

Gold Mining in Western Siberia. By L. Tovey. E. & M. J., vol. 82, p. 577. 12 columns. I.

Gold Mine in Siberia. By R. L. Dunn. Min. & Sci. Press, vol. 74, p. 280. 6 columns. I.

Siberian Gold Fields. Min. & Sci. Press, vol. 81, p. 254. 2 columns.

Gold Mines in Siberia. By R. L. Dunn. Min. & Sci. Press, vol. 76, p. 589. 1 column.

Siberian Gold Mines and Miners. Am. Jour. Min., vol. 4, p. 354. ½ column.

Siberian Gold Mining: The Location and Extent of Some of the Gold Fields Discovered and Some of the Conditions which Retard Development. By G. E. Walsh. M. & M., vol. 26, p. 71. 2¼ columns.

Gold Mining in Siberia. E. & M. J., vol. 78, p. 435, 2½ columns; p. 664, 1½ columns.

A New Gold Field in Siberia. By R. Helmhacker. E. & M. J., vol. 65, p. 645. ½ column.

The Gold Placers of Siberia. By E. D. Levat. E. & M. J., vol. 63, p. 90. 1¼ columns.

The Auriferous Deposits of Siberia. By René de Batz. T. A. I. M. E., vol. 28, p. 452.

Gold Mining in Siberia. M. & M., Aug., 1903, p. 37.

Gold Mining in Siberia. E. & M. J., vol. 78, p. 901, 2⅔ columns; p. 981, 2⅓ columns.

The Gold-Deposits of Siberia. By A. Foniakoff. T. F. I. M. E., vol. 7, p. 445. 43 pages. I.

Gold in Siberia and the Trans-Siberian Railroad. By A. Zdziaski. E. & M. J., vol. 56, p. 398. 1½ columns. I.

Peculiarities of Siberian Placers. M. & M., vol. 21, p. 201. ⅔ column.

Kerbi-River Gold-Bearing District, Eastern Siberia. By M. Ivanov. T. I. M. E., vol. 29, p. 701. 1 page.

Auriferous Region of the Lena, Siberia. By A. Gerasimov. T. I. M. E., vol. 29, p. 702. 2 pages.

Auriferous Deposits of the Yenisei Region, Siberia. T. I. M. E., vol. 29, p. 705. 1 page.

Notes on Gold and Platinum Mining in the Ural Mountains. By D. A. Louis. T. I. M. & M., vol. 8, p. 208.

The Occurrence of Diamonds in Russia. By R. Helmhacker. E. & M. J., vol. 66, p. 516. ⅓ column.

Amber Mining in Russia. E. & M. J., vol. 46, p. 304. ½ column.

The Russian Platinum Industry. E. & M. J., vol. 83, p. 1040. 2¾ columns.

The Gold and Platinum Industry of the Ural. E. & M. J., vol. 53, p. 430. 1 column.

The Occurrence of Platinum in the Ural Mountains, Russia. By C. W. Purington. E. & M. J., vol. 77, p. 720, 6 columns, Map; p. 762, 8 columns, I.

The Platinum Deposits of the Tura River-System, Ural Mountains, Russia. By C. W. Purington. T. A. I. M. E., vol. 29, p. 3.

Russian Platinum. E. & M. J., vol. 79, p. 844. ½ column.

Platinum Deposits in the Urals. By N. Vissotzki. T. I. M. E., vol. 27, p. 660. ⅔ page.

The Platinum Deposits of the Tura River, Russia. By C. W. Purington. E. & M. J., vol. 67, p. 350. 3 columns. I.

Copper Deposits of the Kirghiz Steppes, Siberia. E. & M. J., vol. 58, p. 368. 1⅔ columns. I.

The Spassky Copper Mine, Ltd. By E. Walker. E. & M. J., vol. 80, p. 1202. 6 columns. I.

Copper in Siberia. M. & M., May, 1903, p. 445.

The Kedabeg Copper Mines, Russia. By G. Köller. T. I. M. & M., vol. 14, p. 497. 41 pages. I.

Notes on the Iron Industry of the Urals. By H. Louis. T. F. I. M. E., vol. 14, p. 368. 22 pages. I.

The South Russian Iron Industry. By A. P. Head. Engineering, London, vol. 74, p. 860. 9½ columns. I.

Quicksilver in Russia. By W. A. Abegg. E. & M. J., vol. 48, p. 26. 1 column.

The Quicksilver Mine and Works at Zaitshieff, Russia. E. & M. J., vol. 46, p. 302. ½ column.

Sulphur in Russia. E. & M. J., vol. 66, p. 70. ⅓ column.

Coal in Siberia. E. & M. J., vol. 65, p. 370, ½ column; p. 763, ⅔ column; vol. 74, p. 790, ⅔ column; vol. 77, p. 558.

Anthracite in Russia. M. & M., vol. 27, p. 314. ¼ column.

Coal at Vladivostok. E. & M. J., vol. 73, p. 823. ⅔ column.

Mining in the Donetz Coalfield, Russia. E. & M. J., vol. 54, p. 344. 2 columns.

Russian Coal. Engineering, London, vol. 72, p. 555. 2 columns.

The Vladivostok Coal-Field in Siberia. By R. L. Dunn. E. & M. J., vol. 67, p. 293. 2 columns. I.

The Salt Mines of Cracow, Poland. E. & M. J., vol. 6, p. 321. 2½ columns.

The Salt Industry of Russia. E. & M. J., vol. 67, p. 263. 1¾ columns.

The Manganese-Ore Industry of the Caucasus. By F. Drake. T. A. I. M. E., vol. 28, pp. 191, 841.

Graphite in Siberia. By R. Helmhacker. E. & M. J., vol. 64, p. 756. 1⅓ columns.

Note on Asbestos Mining in Asiatic Russia. By H. C. Reihle. J. C. M. I., vol. 6, p. 372. 1 page. I.

The Mines of Sadon, Russia. By N. de Filkovitch. E. & M. J., vol. 56, p. 615. 1 column. I.

Russian Mineral Production. E. & M. J., vol. 81, p. 1182. 2½ columns.

Mining in the Kirghiz Steppes. By E. N. Fell. E. & M. J., vol. 76, p. 731, 6½ columns, I.; p. 771, 7½ columns, I.

Mining on the Kirghiz Steppes. By H. E. West. E. & M. J., vol. 83, p. 365. 10½ columns. I.

The Siberian (Convict) Mines. E. & M. J., vol. 26, p. 6. 1½ columns.

Siberian Mining Fields. Min. & Sci. Press, vol. 76, p. 157. 1 column.

Mining and Smelting in Southern Siberia. By H. E. West. E. & M. J., vol. 83, p. 472. 9 columns. I.

Useful Minerals of Central Siberia. By W. Friz. T. I. M. E., vol. 29, p. 699. 2 pages.

Siberian Mines and Mining Conditions. By A. L. Simon. T. I. M. & M., vol. 16, p. 354. 40 pages.

Scandinavia

Iron Ore Mining in Scandinavia. By W. F. Wilkinson. T. I. M. & M., vol. 13, p. 489. 22 pages. I.

Scandinavia as a Source of Iron Ore Supply. By J. Head. E. & M. J., vol. 58, p. 171. 2¼ columns.

Scandinavian Iron-Ore Deposits. E. & M. J., vol. 51, p. 579. ⅞ column.

Spain

Gold in Spain. Whitney's Metallic Wealth of the United States, p. 95. ½ page.

The Gold Mines of Galacia, Spain. E. & M. J., vol. 63, p. 400. ½ column.

The Pyrites Deposits of Huelva, Spain. By R. E. Carr. E. & M. J., vol. 81, p. 1186. 1½ columns.

A Visit to the Pyrites Mines of Spain. By E. D. Peters. E. & M. J., vol. 56, p. 498. 2 columns.

The Bilbao Iron Mines, Spain. By E. Mackay-Heriot. E. & M. J., vol. 76, p. 510. 6⅔ columns. I.

The Devonian Iron-Ores of Asturias, Spain. By J. A. Jones. T. I. M. E., vol. 18, p. 279. 41 pages.

The Iron Ores of Spain and a List of Literature on the Subject. By J. D. Kendall. T. F. I. M. E., vol. 3, p. 604. 14 pages. I.

Notes on the Iron Ore Deposits of Bilbao, Northern Spain. By F. D. Adams. J. C. M. I., vol. 4, p. 196. 8 pages. I.

Hematite Mining in Spain. M. & M., June, 1903, p. 512. ½ column.

The Great Spanish Pyrites Deposits. By J. D. Collins. E. & M. J., vol. 40, p. 79, 1 column; p. 147, 1 column.

Zinc Mines in Spain. E. & M. J., vol. 38, p. 343, 1½ columns; p. 359, 1 column.

The Mines at Rio Tinto, Spain. E. & M. J., vol. 36, p. 310, 2 columns; p. 325, 2½ columns.

Rio Tinto Company. E. & M. J., vol. 61, p. 472. 2 columns. I.

Mining and Treatment of Copper Ore at Tharsis, Spain. By C. F. Courtney. P. I. C. E., vol. 125, pp. 126–144.

Rio Tinto Copper District. By J. W. Gregory. E. & M. J., Feb. 23, 1905, p. 370. 7 columns. I.

Mines and Works of Almaden. Min. & Sci. Press, vol. 37, p. 185, 3¼ columns, I.; p. 201, ⅔ column; p. 217, 2 columns, I.; p. 232, 1¾ columns; p. 249, 2 columns, I.; p. 257, 3 columns, I.; p. 273, ⅞ column, I.; p. 297, 3 columns, I.; p. 313, 3 columns, I.; p. 342, 2½ columns; p. 358, 2 columns; p. 377, 3 columns; p. 394, 2 columns; p. 408, 1½ columns; vol. 38, p. 6, 1½ columns; p. 22, 1⅔ columns; p. 34, 1½ columns; p. 54, 2 columns.

The Almaden Quicksilver Mines. E. & M. J., vol. 37, p. 25. 1½ columns.

Sulphur Mines in the South of Spain. By A. P. Wilson. T. I. M. E., vol. 16, p. 71. 4 pages. I.

Sulphur in the South of Spain. By A. Wilson. E. & M. J., vol. 67, p. 527. ½ column.

Coal-Mining in Asturias, Spain. By H. Louis. T. I. M. E., vol. 28, p. 420. 13 pages.

The Coal Field of Espiel and Belmez, Spain. By R. O. y Vidal. E. & M. J., vol. 25, p. 11. ⅔ column.

Arsenic and Lead Mines in the Pyrenees. E. & M. J., vol. 73, p. 861. ⅔ column.

The Linares Lead Mining Industry of Spain. By E. Mackay-Heriot. E. & M. J., vol. 73, p. 68. 5 columns. I.

Lead Mining in the Linares District, Spain. By N. Carmichael. Min. Mag., vol. 12, p. 294. 5 columns.

Notes on the Ore Deposits of the Malaga Serpentines. By F. Gilman. T. I. M. & M., vol. 4, p. 159.

The Mineral Resources of Spain. E. & M. J., vol. 73, p. 610. 1½ columns.

The Esperanza Mine, Spain. By E. Walker. E. & M. J., vol. 82, p. 1165. 8 columns. Map.

Mining in the Pyrenees. By A. G. Charleton. E. & M. J., vol. 54, p. 321. 2 columns.

Development and Working of Minerals in the Province of Leon, Spain. By J. A. Jones. T. I. M. E., vol. 20, p. 420. 21 pages.

Sweden

Copper, Silver and Zinc Mining in Sweden. E. & M. J., vol. 47, p. 368. ¾ column.

The Grangeberg Iron Mine in Sweden. By J. W. H. Hamilton. E. & M. J., vol. 79, p. 944. 6¾ columns. I.

The Iron Ore of Northern Sweden. Engineering, London, vol. 66, p. 323, 5 columns, I.; p. 365, 6 columns, I.

The Swedish Iron Industry. By R. Akerman. Engineering, London, vol. 66, p. 309, 3 columns, I.; p. 322, 3 columns; p. 339, 11½ columns, I.; p. 365, 6 columns, I.

Tennessee

The Ducktown Ore-Deposits and the Treatment of the Ducktown Copper-Ores. By C. Henrich. T. A. I. M. E., vol. 25, p. 173.

The Deposits of Copper-Ores at Ducktown, Tennessee. By J. F. Kemp. T. A I. M. E., vol. 31, p. 244.

Ducktown, Tennessee, Copper Mining District. By W. M. Brewer. E. & M. J., vol. 59, p. 271. 1⅔ columns. I.

Copper Deposits of the Blue Ridge (Ducktown). E. & M. J., vol. 16, pp. 89, 106.

The Ducktown Copper Mining District. By S. W. McCallie. E. & M. J., vol. 74, p. 439. 5 columns. I.

Recent Zinc Mining in East Tennessee. By A. Keith. U. S. G. S., Bull. No. 225, pp. 208–213. 1904.

Lead- and Zinc-Deposits of the Virginia-Tennessee Region. By T. L. Watson. T. A. I. M. E., vol. 36, p. 681. 56 pages. I.

Zinc Mining in Tennessee. E. & M. J., vol. 80, p. 311. 1¼ columns.

The Zinc Belt of Tennessee. By W. C. Clarke. M. & M., vol. 27, p. 567. 2 columns.

Zinc-Lead in Tennessee. M. & M., vol. 24, p. 174. 1¾ columns.

Zinc in Eastern Tennessee. By W. C. Clark. M. & M., vol. 27, p. 395. 1¾ columns.

Soft Iron Ore in Tennessee. By E. K. Judd. E. & M. J., vol. 83, p. 567. 1¼ columns.

Iron-Ore Deposits of the Cranberry District, North Carolina-Tennessee. By A. Keith. U. S. G. S., Bull. No. 213, pp. 243–246. 1903.

The Embreville Estate, Tennessee. By G. R. Johnson. E. & M. J., vol. 61, p. 540, 2 columns; T. A. I. M. E., vol. 26, p. 138.

The Smith Mine, Tennessee: The Location and Quality of the Ores and the Method of Mining, Cleaning and Handling Them. By N. W. Buckhout. M. & M., Feb., 1902, p. 304. 4 columns.

Magnetic Iron Ores of the Unaka Mountains, North Carolina and Tennessee. E. & M. J., vol. 25, p. 272, 2 columns; p. 293, 1 column.

Some Drift Hematite Deposits in Eastern Tennessee. By E. Nichols. T. A. I. M. E., vol. 10, p. 480.

The Western Iron Belt of Tennessee. By J. B. Killebrew. E. & M. J., vol. 51, p. 695. 1¾ columns.

The Iron Ores of Shady Valley, Tennessee. By F. L. Garrison. E. & M. J., vol. 78, p. 590. 6⅔ columns.

The Western Iron Belt of Tennessee. E. & M. J., vol. 45, p. 18. 2 columns. I.

The Brown Hematite Ore Deposits of South Mountain, between Carlisle, Waynesborough, and the Southeastern Edge of Cumberland Valley. By J. W. Harden. T. A. I. M. E., vol. 1, p. 136.

The Cumberland Gap Coal-Field. By G. H. Ashley. Min. Mag., Aug., 1904, p. 94. 14 columns. I.

The Cumberland Gap Coalfield, Tennessee and Kentucky. E. & M. J., vol. 79, p. 1135. 2¾ columns.

The Upper Measure Coal-Field of Tennessee. By H. E. Colton. T. A. I. M. E., vol. 14, p. 292.

Bushy Mountain Coal Mines Operated by the State of Tennessee. By A. W. Evans. M. & M., May, 1901, p. 438. 3¾ columns.

Phosphate Mining in Tennessee. By H. D. Ruhm. E. & M. J., vol. 83, p. 522. 12½ columns. I.

Mining Tennessee Phosphates. E. & M. J., vol. 66, p. 68. ⅔ column.

Tennessee Phosphate. By H. D. Ruhm. E. & M. J., vol. 80, p. 204, 9 columns, I.; vol. 78, p. 1032, 2½ columns.

The Tennessee Phosphates. By C. W. Hayes. U. S. G. S., 16th Ann. Rept., pt. 4, pp. 610–630. 1895.

The Tennessee Phosphates. By C. W. Hayes. U. S. G. S., 17th Ann. Rept., pt. 2, pp. 1–38. 1896.

A Brief Reconnaissance of the Tennessee Phosphate Field. By C. W. Hayes. U. S. G. S., 20th Ann. Rept., pt. 6, pp. 633–638. 1899.

The Geological Relations of the Tennessee Brown Phosphates. By C. W. Hayes. Science, vol. 12, p. 1005. 1900.

Tennessee White Phosphate. By C. W. Hayes. U. S. G. S., 21st Ann. Rept., pt. 3, pp. 473–485. 1901.

Origin and Extent of the Tennessee White Phosphates. By C. W. Hayes. U. S. G. S., Bull. No. 213, pp. 418–423. 1903.

The White Phosphates of Decatur County, Tennessee. U. S. G. S., Bull. No. 213, pp. 424–425. 1903.

Commercial Development of the Tennessee Phosphates. By C. G. Memminger. U. S. G. S., 16th Ann. Rept., pt. 4, pp. 631–635. 1895.

Recently Discovered Extension of Tennessee White Phosphate Field. By E. C. Eckel. U. S. G. S., Mineral Resources for 1900, pp. 812–813. 1901.

The Mount Pleasant Phosphates in Tennessee. E. & M. J., vol. 63, p. 404. ½ column.

The Mount Pleasant Phosphate District, Tennessee. By. H. D. Ruhm. E. & M. J., vol. 67, p. 680. 2¾ columns.

The White Phosphates of Tennessee. By C. W. Hayes. T. A. I. M. E., vol. 25, p. 19.

The Phosphates of Tennessee. By T. C. Meadows and L. Brown. T. A. I. M. E., vol. 24, p. 582.

The New Phosphate Discoveries in Tennessee. E. & M. J., vol. 62, p. 419. ⅔ column.

The Phosphate Deposits in Maury County, Tennessee. By J. B. Killebrew. E. & M. J., vol. 62, p. 462. 1½ columns.

The Phosphate Rocks of Tennessee. By W. B. Phillips. E. & M. J., vol. 57, p. 417. 2 columns. I.

The Phosphate Beds of Tennessee. By. J. M. Sanford. E. & M. J., vol. 57, p. 366. ¾ column.

Tennessee Marbles. By A. Keith. U. S. G. S., Bull. No. 213, pp. 366–370. 1903.

The Marble of Hawkins County, Tennessee. By B. Willis. Sch. Mines Quart., vol. 9, p. 112. 12 pages. I.

Cement Resources of the Cumberland Gap District, Tennessee-Virginia. U. S. G. S., Bull. No. 285, pp. 374–376. 1906.

The Geological and Mineral Resources of Lesquachee Valley, Tennessee. By W. M. Bowron. T. A. I. M. E., vol. 14, p. 172.

The Extent and Value of Eastern Tennessee Minerals. E. & M. J., vol. 45, p. 19. 4 columns. I.

The Economic Geology of the Bristol and Big Gap Section of Tennessee and Virginia, Pursuing the General Course of the South Atlantic and Ohio Railroad. By C. R. Boyd. T. A. I. M. E., vol. 15, p. 114.

Clays of Western Kentucky and Tennessee. By A. F. Crider. U. S. G. S., Bull. No. 285, pp. 417–427. 1906.

Stoneware and Brick Clays of Western Tennessee and Northwestern Mississippi. By E. C. Eckel. U. S. G. S., Bull. No. 213, pp. 382–391. 1903.

The Oil Boom of Tennessee. By E. J. Schmitz. E. & M. J., vol. 61, p. 228. 2½ columns. I.

Texas

On the Occurrence of Gold in Williamson County, Texas. By C. A. Schaeffer. T. A. I. M. E., vol. 11, p. 318.

The Silver Mine of Texas. By H. M. Adkinson. E. & M. J., vol. 74, p. 150. 4 columns. I.

Extension of the Quicksilver District in Brewster County, Texas. By W. B. Phillips. E. & M. J., vol. 78, p. 212. 1⅕ columns.

Conditions of the Quicksilver Industry in Brewster County, Texas. E. & M. J., vol. 78, p. 553. 4 columns.

Quicksilver in Texas. E. & M. J., vol. 82, p. 1028. 1 column.

The Terlingua Quicksilver Mining District, Brewster County, Texas. By H. W. Turner. Min. & Sci. Press, vol. 81, p. 64. 1½ columns. I.

The Cinnabar Deposits of the Big Bend Province of Texas. By R. T. Hill. E. & M. J., vol. 74, p. 305. 7¾ columns. I.

The Terlingua Quicksilver District, Texas. By M. P. Kirk. Min. Mag., vol. 11, p. 441. 6 columns. I.

A New Quicksilver Field in Brewster County, Texas. E. & M. J., vol. 77, p. 160; 2½ columns; p. 685. 2 columns. I.

Cinnabar in Texas. By W. P. Blake. T. A. I. M. E., vol. 25, p. 68.

The Quicksilver Mines of Brewster County, Texas. By E. P. Spalding. E. & M. J., vol. 71, p. 749. 3½ columns. I.

The Iron Resources of Texas. By Wm. B. Phillips. P. E. Soc. W. Pa., vol. 18, p. 64. 16½ pages.

The Iron Ores of Eastern Texas. By E. T. Dumble. E. & M. J., vol. 72, p. 104. 1 column.

Iron-Ores of East Texas. By W. Kennedy. T. A. I. M. E., vol. 24, pp. 258, 862.

Iron Ores of Northeastern Texas. U. S. G. S., Bull. No. 260, pp. 348–354. 1905.

The Iron Industry of Texas, Present and Prospective. Iron Age, vol. 76, pp. 478–479. 1905.

Tin in the Franklin Mountains, Texas. By G. B. Richardson. U. S. G. S., Bull. No. 285, pp. 146–149. 1906.

The El Paso Tin Deposits [Texas]. By W. H. Weed. U. S. G. S., Bull. No. 178. 6 pages. 1901.

Tin Deposits at El Paso, Texas. By W. H. Weed. U. S. G. S., Bull. No. 213, pp. 99–102. 1903.

Tin in Central Texas. By T. B. Comstock. E. & M. J., vol. 51, p. 117. 2 columns.

Lead Ores in Burnet County, Texas. E. & M. J., vol. 77, p. 364. 1½ columns.

The Coal Fields of Texas: Locations of the Different Deposits and Quality of the Coals as Shown by Analysis. By H. Ries. M. & M., vol. 26, p. 104. 3 columns. I.

Reports on Texas Lignites and Brown Coal. By E. T. Dumble. E. & M. J., vol. 75, p. 858. Note.

The Fuels of Central Texas in Relation to the Bessemer Ores. E. & M. J., vol. 50, p. 170. 2½ columns.

The Coal Fields of Texas. By R. S. Weitzel. E. & M. J., vol. 50, p. 214. 2 columns.

The San Carlos Coal Fields, Presidio County, Texas. E. & M. J., vol. 59, p. 558. ⅓ column.

Brazos Coal-Field, Texas. By C. A. Ashburner. T. A. I. M. E., vol. 9, p. 495.

Texas Brown Coal. By E. T. Dumble. E. & M. J., vol. 62, p. 343. ⅔ column.

Texas Coal-Fields. By R. S. Weitzel. E. & M. J., vol. 61, p. 473. 1½ columns.

The Bowie Coal Mine, Texas. E. & M. J., vol. 60, p. 443. 1¼ columns. I.

Reconnaissance in the Rio Grande Coal Field of Texas. By T. W. Vaughan. U. S. G. S., Bull. No. 164. 100 pages. 1900.

Note on the Occurrence of Ghahamite in Texas. By E. T. Dumble. T. A. I. M. E., vol. 21, p. 601.

The Asphalt Deposits of Western Texas. By T. W. Vaughan. U. S. G. S., 18th Ann. Rept., pt. 5, pp. 930–935. 1897

The Coal, Lignite and Asphalt Rocks of Texas. By W. B. Phillips. J. W. Soc. E., vol. 9, p. 571. 22 pages. I.

Copper-Ores in the Permian of Texas. By E. J. Schmitz. T. A. I. M. E., vol. 26, pp. 97, 1051.

The Texas and Other American Sulphur Deposits. E. & M. J., vol. 62, p. 26. ¾ column.

Native Sulphur in El Paso County, Texas. By G. B. Richardson. U. S. G. S., Bull. No. 260, pp. 589–592. 1905.

The Gila River Alum Deposits. U. S. G. S., Bull. No. 315, pp. 215–223. 1907.

U. S. G. S., Mineral Resources for 1892, pp. 227–254. 1893.

Salt, Gypsum, and Petroleum in Trans-Pecos Texas. By G. B. Richardson. U. S. G. S., Bull. No. 260, pp. 573–585. 1905.

Geological and Mineral Resources of the Rio Grande Region in Texas and Coahuila. By E. J. Schmitz. T. A. I. M. E., vol. 13, p. 388.

The Bat Guano Caves of Texas: Enormous Caverns Containing Valuable Deposits of Fertilizer, Some of which are Being Worked. By W. B. Phillips. M. & M., May, 1901, p. 440. 5 columns.

Oil Fields of the Texas-Louisiana Gulf Coastal Plain. By C. W. Hayes. U. S. G. S., Bull. No. 213, pp. 345–352. 1903.

Oil Fields of the Texas-Louisiana Gulf Coastal Plain. By C. W. Hayes and W. Kennedy. U. S. G. S., Bull. No. 212. 174 pages. 1903.

Oil Fields of the Texas-Louisiana Gulf Coastal Plain. U. S. G. S., Bull. No. 282. 146 pages. 1906.

Oil and Gas Fields of the Western Interior and Northern Texas Coal Measures and of the Upper Cretaceous and Tertiary of the Western Gulf Coast. By G. I. Adams. U. S. G. S., Bull. No. 184, pp. 1–64. 1901.

Turkey

The Copper Mines of Servia. By W. H. Weed. E. & M. J., vol. 84, p. 115. 2¼ columns.

Progress of Copper Mining in Turkey. Am. Jour. Min., vol. 7, p. 130. 1½ columns.

The Mineral Resources of Turkey: Coal. By J. E. Spurr. E. & M. J., vol. 74, p. 308. 2¾ columns.

Analysis of Turkish Oil and Asphalt. E. & M. J., vol. 74, p. 438. 1⅓ columns.

Mining in Turkey. E. & M. J., vol. 78, p. 184. 6 columns. I.

The Heraklea Coal-Field in Turkey. E. & M. J., vol. 57, p. 319. ¾ column.

The Lead Mines of Balia, Turkey. By G. Rolli. E. & M. J., vol. 77, p. 274. 1 column.

Mining in Turkey. Min. Mag., vol. 13, p. 11. 8 columns. I.

Mineral Resources of Turkey in Asia. By B. Simmerstach. T. I. M. E., vol. 29, p. 707. 3 pages.

Mineral Resources of Servia. E. & M. J., vol. 57, p. 106. 1 column.

United States (General)

History of Gold Mining and Metallurgy in the Southern States. By H. B. C. Nitze. U. S. G. S., 20th Ann. Rept., pt. 6, pp. 111–123. 1899.

The Southern Mines. Am. Jour. Min., vol. 4, p. 8. 1⅓ columns.

The Gold and Silver Mines East of the Rocky Mountains. Am. Jour. Min., vol. 2, p. 386. 18 columns.

Colorado Silver. Am. Jour. Min., vol. 1, p. 186. ½ column.

Mineral Wealth of Colorado. Am. Jour. Min., vol. 1, p. 218. 1 column.

Mines of the Appalachian Range. By G. B. Hanna. Sch. Mines Quart., vol. 3, p. 208. 6 pages.

Southern Mining Impressions: An Account of the Development Going on and Improvements Visible in the Mining Regions of the South. M. & M., vol. 23, p. 495. 5 columns.

Gold Fields of the Atlantic Slope. By C. L. Dignowity. Min. & Sci. Press, vol. 87, p. 183. 2 columns.

The Present Condition of Gold-Mining in the Southern Appalachian States. By H. B. Nitze and H. A. J. Wilkins. T. A. I. M. E., vol. 25, pp. 661, 1016.

How the Mines of the Southern States Can Be Made to Pay. E. & M. J., vol. 58, p. 411. ⅔ column.

The Southern Gold Fields. E. & M. J., vol. 47, p. 254, 1 column; p. 458, 1¼ columns.

Gold and Silver Mining in the Southern States. By S. W. Cramer. E. & M. J., vol. 57, p. 149. 1½ columns.

Auriferous Slate Deposits of the Southern Mining Region. E. & M. J., vol. 31, p. 397, 2 columns.

Precious Metals in the South. Min. & Sci. Press, vol. 43, p. 302. 1½ columns.

Auriferous Slate Deposits of the Southern Mining Region. Min. & Sci. Press, vol. 42, p. 358. 1⅓ columns.

Auriferous Slate Deposits of the Southern Mining Region. By P. H. Mell. T. A. I. M. E., vol. 9, p. 399.

Gold Mining in the Appalachian Belt. By W. H. Adams. E. & M. J., vol. 62, p. 7. 2 columns.

The Southwestern Extremity of the Appalachian Gold Fields. By W. B. Phillips. E. & M. J., vol. 64, p. 398. 1½ columns.

Gold Mining in the Southern Appalachians. By J. H. Pratt. E. & M. J., vol. 74, p. 241. 3 columns.

Gold Fields of the Southern Appalachians. U. S. G. S., 16th Ann. Rept., pt. 3, pp. 251–331. 1895.

The Occurrence of Diamonds in the Drift of Some of the Northern States. By Robert Bell. J. C. M. I., vol. 9, p. 124. 4 pages.

Diamonds in the United States. Am. Jour. Min., vol. 4, p. 145. 1 column.

Precious Stones in the United States. M. & M., June, 1901, p. 508. ¼ column.

The Copper Mines of the United States. By W. H. Weed. Min. & Sci. Press, vol. 93, p. 484. 4 columns. I.

Recent Development of Southern Copper Deposits. By W. H. Weed. E. & M. J., vol. 74, p. 80. 3 columns.

Distribution of Copper Ores. E. & M. J., vol. 39, p. 228. 3½ columns.

Types of Copper-Deposits in the Southern United States. By W. H. Weed. T. A. I. M. E., vol. 30, p. 449.

Copper Mining in Lake Superior Region. By J. F. Jackson. M. & M., July, 1903, p. 535.

The Copper Ores of the Southwest. By A. F. Wendt. T. A. I. M. E., vol. 15, p. 25.

Occurrence and Distribution of Copper in the United States. By W. H. Weed. Min. Mag., Sept., 1904, p. 185. 18 columns. I.

Copper Bearing Districts of the United States. Min. Mag., Sept., 1904, p. 184.

The Lake Superior Iron Ore Region. By D. E. Woodbridge. E. & M. J., vol. 83, p. 66. 6¾ columns.

Copper: Districts, Freight and Future. Min. & Sci. Press, vol. 25, p. 40. 2½ columns.

Copper Prospects. By T. L. Carter. P. C. M. & M. Soc. S. A., vol. 5, p. 305, 11 columns, I.; p. 343, 3 columns.

COPPER DEPOSITS OF THE APPALACHIAN STATES. U. S. G. S., Bull. No. 213, pp. 181–185. 1903.

THE COPPER PRODUCTION OF THE UNITED STATES. U. S. G. S., Bull. No. 260, pp. 211–216. 1905.

THE COPPER DEPOSITS OF THE EASTERN UNITED STATES. U. S. G. S., Bull. No. 260, pp. 217–220. 1905.

THE COPPER MINES OF THE UNITED STATES IN 1905. U. S. G. S., Bull. No. 285, pp. 93–124. 1906.

COPPER. By L. C. Graton. U. S. G. S., Mineral Resources for 1906, pp. 373–438. 1907.

CHROMITE OR CHROMIC IRON ORE. By A. J. Collier. U. S. G. S., Mineral Resources for 1906, pp. 541–542. 1907.

CHROMIC IRON. By W. Glenn. U. S. G. S., 17th Ann. Rept., pt. 3, pp. 261–273. 1896.

IRON ORES OF THE UNITED STATES. By T. S. Hunt. E. & M. J., vol. 50, p. 601, 2½ columns; p. 622, 4 columns.

THE MAGNESITE INDUSTRY. By S. J. Vlasto. E. & M. J., vol. 69, p. 289. 3 columns. I.

SOUTHERN RED HEMATITE AS AN INGREDIENT OF METALLIC PAINT. By E. F. Burchard. U. S. G. S., Bull. No. 315, pp. 430–434. 1907.

IRON ORES OF THE UNITED STATES. U. S. G. S., Bull. No. 260, pp. 317–320. 1905.

IRON ORES OF THE WESTERN UNITED STATES AND BRITISH COLUMBIA. U. S. G. S., Bull. No. 285, pp. 194–200. 1906.

IRON ORES, PIG IRON, AND STEEL. U. S. G. S., Mineral Resources for 1906, pp. 67–102. 1907.

THE AMERICAN IRON INDUSTRY FROM ITS BEGINNING IN 1619 TO 1886. By J. M. Swank. U. S. G. S., Mineral Resources for 1886, pp. 23–38. 1887.

IRON AND STEEL AND ALLIED INDUSTRIES IN ALL COUNTRIES. By J. M. Swank. U. S. G. S., 16th Ann. Rept., pt. 3, pp. 219–250. 1894.

IRON ORES. U. S. G. S., 19th Ann. Rept., pt. 6, pp. 23–63. 1898.

DISTRIBUTION OF IRON ORE DEPOSITS. Rept. Census Office, Mines & Quarries, 1902, p. 408. 13 columns. I.

IRON IN THE ROCKY MOUNTAIN DIVISION. By F. F. Chisolm. U. S. G. S., Mineral Resources for 1883–84, pp. 281–286. 1885.

THE IRON ORES EAST OF THE MISSISSIPPI RIVER. U. S. G. S., Mineral Resources for 1886, pp. 39–98. 1887.

IRON ON THE PACIFIC COAST. By C. G. Yale. U. S. G. S., Mineral Resources for 1883–84, pp. 286–290. 1885.

LIST OF REFERENCES TO THE LAKE SUPERIOR MINERAL RESOURCES, ESPECIALLY IRON-ORE. T. F. I. M. E., vol. 13, p. 547, etc.

THE ORES OF IRON: Their Geographical Distribution and Relation to the Great Centers of the World's Iron Industries. By H. Newton. T. A. I. M. E., vol. 3, p. 360.

RECENT NOTES ON IRON ORES. By C. K. Leith and J. M. Boutwell. U. S. G. S., Bull. 225, pp. 215 and 237. 2 columns. Min. Mag., Aug., 1904, p. 149.

ON THE OCCURRENCE OF THE BROWN HEMATITE DEPOSITS OF THE GREAT VALLEY. By F. Prime. T. A. I. M. E., vol. 3, p. 410.

THE IRON-ORES OF THE MIDDLE JAMES RIVER. By P. Frazer. T. A. I. M. E., vol. 11, p. 201.

INVESTIGATIONS ON THE LAKE SUPERIOR IRON ORE DEPOSITS. By U. S. Grant. Min. Mag., Sept., 1904, p. 175. 18 columns. I.

LAKE SUPERIOR IRON MINES IN 1899. E. & M. J., vol. 69, p. 47. 3 columns.

LAKE SUPERIOR MINING REGION. By Wm. Kelly. M. & M., vol. 20, p. 490. 4¾ columns. I.

IRON ORE IN LAKE SUPERIOR REGION. By M. P. Hulst. M. & M., vol. 19, p. 413. 3 columns. I.

IRON ORE MINING AT LAKE SUPERIOR. Min. & Sci. Press, vol. 73, p. 7. 1 column.

The Iron Mines of Lake Superior. E. & M. J., vol. 11, p. 339. 1½ columns.

The Lake Superior Iron-Ore Region. By H. V. Winchell. T. F. I. M. E., vol. 13, p. 493. 70 pages. I.

Southern Magnetites and Magnetic Separation. By H. S. Chase. T. A. I. M. E., vol. 25, pp. 551, 1015.

Chrome in the Southern Appalachian Region. By Wm. Glenn. T. A. I. M. E., vol. 25, p. 481.

The Iron-Ores of the UnitedStates. By T. S. Hunt. T. A. I. M. E., vol. 19, p. 3.

The Pyrites Deposits of the Alleghanies. By A. F. Wendt. Sch. Mines Quart., vol. 7, p. 154, 34 pages, I.; p. 218, 16 pages, I.; p. 301, 24 pages, I.

Pyrites. By R. P. Rothwell. U. S. G. S., Mineral Resources for 1886, pp. 650–675. 1887.

Pyrites. By W. Martin. U. S. G. S., Mineral Resources for 1883–84, pp. 877–905. 1886.

Pyrites. By H. J. Davis. U. S. G. S., Mineral Resources for 1885, pp. 501–517. 1886.

The Distribution of Manganese in North America. By R. A. F. Penrose. E. & M. J., vol. 52, p. 126. 1½ columns.

Manganese. U. S. G. S., Mineral Resources for 1887, pp. 144–167. 1888.

Manganese. U. S. G. S., Mineral Resources for 1892, pp. 169–226. 1893.

Manganese Ores. U. S. G. S., 19th Ann Rept., pt. 6, pp. 91–125. 1898.

Manganese. By J. D. Weeks. U. S. G. S., Mineral Resources for 1885, pp. 303–356. 1886.

Manganese Ores. U. S. G. S., Mineral Resources for 1906, pp. 103–109. 1907.

The Zinc Industry in the United States. By H. S. Clark. Min. Mag., vol. 13, p. 461. 14 columns.

The Zinc Industry of the Rocky Mountain Region. By W. G. Swart. E. & M. J., vol. 80, p. 1064. 4 columns.

Note on the Falling Cliff Zinc Mine. By F. P. Dewey. T. A. I. M. E., vol. 10, p. 111.

Zinc and Lead in the Upper Mississippi Valley. E. & M. J., vol. 83, p. 1042. 1 column.

Lead- and Zinc-Deposits of the Mississippi Valley. By C. R. Van Hise and H. Foster Bain. T. I. M. E., vol. 23, p. 376. 56 pages. I

The Lead- and Zinc-Deposits of the Mississippi Valley. By W. P. Jenney. T. A. I. M. E., vol. 22, pp. 171, 621.

Lead Ores in the United States. Am. Jour. Min., vol. 3, p. 232. ⅔ column.

Lead Fields of the Upper Mississippi. By J. V. C. Phillips. Am. Jour. Min., vol. 1, p. 185, 2⅓ columns; p. 201, 2 columns; p. 218, 1 column; p. 234, 1½ columns; p. 250, 1⅔ columns; p. 266, ½ column; p. 279, 2⅔ columns; p. 295, 2 columns; p. 327, 2⅔ columns; p. 343, 2¼ columns; p. 359, 2 columns; p. 378, 1 column; p. 394, 1 column; p. 410, 2 columns, I.; vol. 2, p. 58, 2 columns.

Soft-Lead Resources of the United States. By H. F. Bain. Min. Mag., vol. 12, p. 19. 14 columns. I.

Zinc. U. S. G. S., Mineral Resources for 1906, pp. 459–489. 1907.*a*

Recent Improvements in Desilverizing Lead in the United States. By H. O. Hoffman. U. S. G. S., Mineral Resources for 1883–84, pp. 462–473. 1885.

Lead Slags. By M. W. Iles. U. S. G. S., Mineral Resources for 1883–84, pp. 440–462. 1885.

Lead. By J. M Boutwell. U. S. G. S., Mineral Resources for 1906, pp. 439–457. 1907.*a*

Lead and Zinc Resources of the United States. U. S. G. S., Bull. No. 260, pp. 251–273. 1905.

ZINC AND LEAD DEPOSITS OF THE UPPER MISSISSIPPI VALLEY. U. S. G. S., Bull. No. 294. 155 pages.

THE COAL-INDUSTRY OF THE SOUTH-EASTERN STATES OF NORTH AMERICA. By J. Head. T. F. I. M. E., vol. 13, p. 177. 16 pages. I.

SNOW SHOE AND BROAD TOP COAL FIELDS: Extent and Characteristics of and the Methods Adopted in Working the Same. By Roger Hampson. M. & M., Apr., 1902, p. 415. 1¼ columns.

THE COAL-FIELDS OF THE UNITED STATES, THEIR AREAS AND PRODUCT IN 1887 AND 1888. T. A. I. M. E., vol. 18, p. 124.

THE ALLEGHENY VALLEY COAL-FIELDS. By W. G. Irwin. E. & M. J., vol. 72, p. 226. 1 column.

NOTES ON THE HARD-SPLINT COAL OF THE KANAWHA VALLEY. By S. M. Buck. T. A. I. M. E., vol. 10, p. 81.

THE SYDNEY COAL-FIELD, CAPE BRETON, NOVA SCOTIA. By W. Routledge. T. A. I. M. E., vol. 14, p. 542.

COAL FIELDS AND SEAPORTS OF THE UNITED STATES: With Shipping Routes and Distances. By E. W. Parker. M. & M., July, 1901, p. 534. Map.

THE NORTHEASTERN BITUMINOUS COAL-MEASURES OF THE APPALACHIAN SYSTEM. By G. S. Ramsay. T. A. I. M. E., vol. 25, p. 76.

COAL ON THE PACIFIC COAST. Min. & Sci. Press, vol. 84, p. 202. 1¾ columns.

THE LARGEST COLLIERIES IN THE UNITED STATES. By B. Harding. E. & M. J., vol. 69, p. 197, 2¾ columns, I.; p. 230, I.

COAL AND ASPHALT DEPOSITS ALONG THE MOFFAT RAILROAD. By A. Lakes. M. & M., vol. 24, p. 134. 3 columns. I.

THE STRATIGRAPHICAL LOCATION OF NAMED TRANSMISSISSIPPIAN COALS. By C. R. Keyes. E. & M. J., vol. 72, p. 198. 2 columns.

ANTHRACITE COAL MINING. By H. M. Chance. U. S. G. S., Mineral Resources for 1883–84, pp. 104–143. 1885.

THE MINING OF ANTHRACITE COAL AND ITS DISTRIBUTION. E. & M. J., vol. 32, p. 373. 1½ columns.

COAL MINING IN THE NORTHWEST TERRITORIES AND ITS PROBABLE FUTURE. By F. B. Smith. J. C. M. I., vol. 5, p. 104. 7 pages.

THE WESTERN INTERIOR COAL-FIELDS OF AMERICA. By H. F. Bain. T. I. M. E., vol. 16, p. 185. 26 pages. I.

OUR COAL. By F. Z. Schellenberg. P. E. Soc. W. Pa., vol. 22, p. 481. 24 pages.

THE COAL AND IRON FIELDS OF THE SOUTH. E. & M. J., vol. 11, p. 346. 2¼ columns.

THE COAL FIELDS OF THE UNITED STATES. By C. W. Hayes. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 7–24. 1902.

ORIGIN, DISTRIBUTION, AND COMMERCIAL VALUE OF PEAT DEPOSITS. By N. S. Shaler. U. S. G. S., 16th Ann. Rept., pt. 4, pp. 305–314. 1895.

THE GODERICH SALT REGION. By T. S. Hunt. T. A. I. M. E., vol. 5, p. 538.

POTASSIUM SALTS. By W. C. Day. U. S. G. S., Mineral Resources for 1887, pp. 628–650. 1888.

SODIUM SALTS. By W. C. Day. U. S. G. S., Mineral Resources for 1887, pp. 651–658. 1888.

NATURAL SODIUM SALTS. By R. L. Packard. U. S. G. S., Mineral Resources for 1893, pp. 728–738. 1894.

SALT-MAKING PROCESSES IN THE UNITED STATES. By T. M. Chatard. U. S. G. S., 7th Ann. Rept., pp. 491–535. 1888.

CORUNDUM AND EMERY. By T. M. Chatard. U. S. G. S., Mineral Resources for 1883–84, pp. 714–720. 1885.

CORUNDUM. U. S. G. S., Mineral Resources for 1886, pp. 585–586. 1887.

CORUNDUM AND ITS OCCURRENCE AND DISTRIBUTION IN THE UNITED STATES. U. S. G. S., Bull. No. 269. 175 pages. 1905.

THE MANUFACTURE AND USE OF CORUNDUM. By C. N. Jenks. U. S. G. S., 17th Ann. Rept., pt. 3, pp. 943–947. 1896.

THE OCCURRENCE AND DISTRIBUTION OF CORUNDUM IN THE UNITED STATES. By J. H. Pratt. U. S. G. S., Bull. No. 180. 98 pages. 1901.

CORUNDUM DEPOSITS OF THE SOUTHERN APPALACHIAN REGION. By J. A. Holmes. U S. G. S., 17th Ann. Rept., pt. 3, pp. 935–943. 1896.

LITERATURE ON CORUNDUM LOCALITIES. T. A. I. M. E., vol. 25, p. 903.

FLUORSPAR MINING. By E. E. Squier. E. & M. J., vol. 67, p. 527. ½ column.

PRINCIPAL AMERICAN FLUORSPAR DEPOSITS. By H. F. Bain. Min. Mag., vol. 12, p. 115. 10 columns. I.

QUARTZ (FLINT) AND FELDSPAR. U. S. G. S., Mineral Resources for 1906, pp. 1253–1270. 1907.

FLINT AND FELDSPAR. By W. Golding. U. S. G. S., 17th Ann. Rept., pt. 3, pp. 838–841. 1896.

GRINDSTONES. U. S. G. S., Mineral Resources for 1886, pp. 582–585. 1887.

BUHRSTONES. By W. A. Raborg. U. S. G. S., Mineral Resources for 1886, pp. 581–582. 1887.

BEREA GRIT. By M. C. Read. U. S. G. S., Mineral Resources for 1882, pp. 478–479. 1883.

CRUSHED QUARTZ AND ITS SOURCE. By M. L. Fuller. Stone, vol. 18, pp.1–4. 1898.

THE OCCURRENCE AND USES OF MICA. By M. L. Fuller. Stone, vol. 19, pp. 530–532. 1899.

ABRASIVE MATERIALS. By E. W. Parker. U. S. G. S., 19th Ann. Rept., pt. 6, pp. 515–533. 1898.

ABRASIVE MATERIALS. By. D. B. Sterrett. U. S. G. S., Mineral Resources for 1906, pp. 1043–1054. 1907.

NOVACULITE. By G. M. Turner. U. S. G. S., Mineral Resources for 1885, pp. 433–436. 1886.

NOVACULITES AND OTHER WHETSTONES. By G. M. Turner. U. S. G. S., Mineral Resources for 1886, pp. 589–594. 1887.

ASPHALTUM. By C. Richardson. U. S. G. S., Mineral Resources for 1893, pp. 626–669. 1894.

THE ASPHALT AND BITUMINOUS ROCK DEPOSITS OF THE UNITED STATES. U. S. G. S., 22d Ann. Rept., pt. 1, pp. 209–452. 1901.

ASPHALTUM AND BITUMINOUS ROCK. By E. O. Hovey. U. S. G. S., Mineral Resources for 1903, pp. 745–754. 1904.

ASPHALT AND BITUMINOUS ROCK. U. S. G. S., Mineral Resources for 1906, pp. 1131–1137. 1907.

ASPHALTUM AND OZOKERITE IN THE UNITED STATES. By E. W. Parker. E. & M. J., vol. 52, p. 193. 2½ columns.

ORIGIN AND DISTRIBUTION OF ASPHALT AND BITUMINOUS-ROCK DEPOSITS IN THE UNITED STATES. U. S. G. S., Bull. No. 213, pp. 296–305. 1903.

PLATINUM. By D. T. Day. U. S. G. S., Mineral Resources for 1906, pp. 551–562. 1907.

NOTES ON THE OCCURRENCE OF PLATINUM IN NORTH AMERICA. By D. T. Day. Min. & Sci. Press, vol. 81, p. 158. 1¾ columns.

NOTES ON THE OCCURRENCE OF PLATINUM IN NORTH AMERICA. By D. T. Day. T. A. I. M. E., vol. 30, p. 702.

PHOSPHATE DEPOSITS IN THE WEST. By F. B. Weeks and W. F. Ferrier. Min. & Sci. Press, vol. 94, p. 692. 5 columns. Map.

NATURE AND ORIGIN OF DEPOSITS OF PHOSPHATE OF LIME. By R. A. F. Penrose. U. S. G. S., Bull. No. 46. 143 pages. 1888.

THE ALBION PHOSPHATE DISTRICT. By E. T. Cox. T. A. I. M. E., vol. 25, p. 36.

PHOSPHATE DEPOSITS IN WESTERN UNITED STATES. By F. B. Weeks and W. F. Ferrier. U. S. G. S., Bull. No. 315, pp. 449–462. 1907.

PHOSPHORUS. U. S. G. S., Mineral Resources for 1906, pp. 1084–1090. 1907.

AMERICAN BORAX MINES. By Don Maguire. M. & M., Feb., 1903, pp. 298, 405.

BORAX. By C. G. Yale. U. S. G. S., Mineral Resources for 1889–1890, pp. 494–506. 1902.

BORAX. By C. G. Yale. U. S. G. S., Mineral Resources for 1906, pp. 1059–1062. 1907.

THE BAUXITE INDUSTRY OF THE SOUTH. By E. K. Judd. E. & M. J., vol. 83, p. 574. 3½ columns.

THE BAUXITE INDUSTRY. By W. M. Brewer. E. & M. J., vol. 65, p. 405. 1 column.

BAUXITE. By C. W. Hayes. U. S. G. S., Mineral Resources for 1893, pp. 159–167. 1894.

BAUXITE. U. S. G. S., 16th Ann. Rept., pt. 3, pp. 547–597. 1895.

BAUXITE AND ALUMINUM. By E. F. Burchard. U. S. G. S., Mineral Resources for 1906, pp. 501–510. 1907.

ALUMINUM AND BAUXITE [IN 1903]. By J. Struthers. U. S. G. S., Mineral Resources for 1903, pp. 265–280. 1904.

ALUMINUM AND BAUXITE. By R. L. Packard. U. S. G. S., Mineral Resources for 1891, pp. 147–163. 1892.

ALUMINUM. By R. L. Packard. U. S. G. S., 16th Ann. Rept., pt. 3, pp. 539–546. 1895.

ALUMINUM AND BAUXITE [IN 1904]. By C. C. Schnatterbeck. U. S. G. S., Mineral Resources for 1904, pp. 285–294. 1905.

ALUMINUM INDUSTRY IN THE UNITED STATES. E. & M. J., vol. 81, p. 505. 3 columns.

ASBESTOS: The Sources of Supply, Methods of Mining and the Processes Used in Manufacturing. By A. L. Summers. M. & M., Nov., 1902, p. 172. 2 columns.

ASBESTOS. By J. S. Diller. U. S. G. S., Mineral Resources for 1906, pp. 1123–1129. 1907.

GRAPHITE. U. S. G. S., Mineral Resources for 1906, pp. 1139–1143. 1907.

OCCURRENCES OF GRAPHITE IN THE SOUTH. By W. M. Brewer. U. S. G. S., 17th Ann. Rept., pt. 3, pp. 1008–1010. 1896.

ANTIMONY. By F. L. Hess. U. S. G. S., Mineral Resources for 1906, pp. 511–516. 1907.

THE ANTIMONY INDUSTRY. By F. T. Harvard. E. & M. J., vol. 82, p.1014. 5¾ columns.

USE AND OCCURRENCE OF ANTIMONY. M. & M., Sept., 1901, p. 70. 1 column.

ARSENIC. U. S. G. S., Mineral Resources for 1906, pp. 1055–1058. 1907.

BISMUTH. U. S. G. S., Mineral Resources for 1906, p. 517. 1907.

SELENIUM. U. S. G. S., Mineral Resources for 1906, p. 1271. 1907.

TIN IN THE UNITED STATES. Min. & Sci. Press, vol. 87, p. 117. 1 column.

TIN IN THE UNITED STATES. Min. & Sci. Press, vol. 93, p. 326. 1 column.

TIN ORES IN THE UNITED STATES. By J. P. Lesley. E. & M. J., vol. 9, p. 322. 1½ columns.

THE OCCURRENCE AND DISTRIBUTION OF TIN. By L. C. Graton. U. S. G. S., Bull. No. 260, pp. 161–187. 1905.

TIN. U. S. G. S., Mineral Resources for 1906, pp. 543–549. 1907.

RECONNAISSANCE OF SOME GOLD AND TIN DEPOSITS IN THE SOUTHERN APPALACHIANS. U. S. G. S., Bull. No. 293. 134 pages. 1906.

THE PRODUCTION OF TIN IN VARIOUS PARTS OF THE WORLD. By C. M. Rolker. U. S. G. S., 16th Ann. Rept., pt. 3, pp. 458–538. 1895.

Tin Ores and Deposits. U. S. G. S., Mineral Resources for 1883–84, pp. 592–640. 1885.

Nickel, Cobalt, Tungsten, Vanadium, Molybdenum, Titanium, Uranium, and Tantalum. U. S. G. S., Mineral Resources for 1906, pp. 519–540. 1907.

Nickel: Its Ores, Distribution, and Metallurgy. By W. P. Blake. U. S. G. S., Mineral Resources for 1882, pp. 399–420. 1883.

Genesis of Nickel Ores. By R. L. Packard. U. S. G. S., Mineral Resources for 1892, pp. 170–177. 1893.

The American Bromine Industry. E. & M. J., Mar. 30, 1905, p. 613. 1⅞ columns.

Greensand Marls in the United States. By F. A. Wilber. U. S. G. S., Mineral Resources for 1882, pp. 522–526. 1883.

The Nitrate of Soda Industry. E. & M. J., vol. 71, p. 241. 2½ columns. I.

The Barytes Industry of the South. By E. K. Judd. E. & M. J., vol. 83, p. 751. 6 columns. I.

Quicksilver Deposits of the Pacific Coast. E. & M. J., vol. 49, p. 136. 2 columns.

Geology of the Quicksilver Deposits of the Pacific Slope, with Atlas. By G. F. Becker. U. S. G. S., Monograph XIII. 486 pages. 1888.

Quicksilver Ore Deposits. U. S. G. S., Mineral Resources for 1892, pp. 139–168. 1893.

Quicksilver. By J. M. Boutwell. U. S. G. S., Mineral Resources for 1906, pp. 491–499. 1907.

Gypsum Deposits of the United States. By G. I. Adams and others. U. S. G. S., Bull. No. 223. 123 pages. 1904.

Gypsum and Gypsum Products. By E. F. Burchard. U. S. G. S., Mineral Resources for 1906, pp. 1069–1078. 1907.

Gypsum and Gypsum Products. U. S. G. S., Mineral Resources for 1905, pp. 1105–1115. 1906.

Michigan Limestones and Their Uses. By A. C. Lane. E. & M. J., vol. 71, p. 662, 4 columns, I.; p. 693, 2 columns; p. 725, 1½ columns.

The Occurrence of Our Building Stones. By F. Z. Schellenberg. P. E. Soc. W. Pa., vol. 20, p. 447. 5 pages.

Recent Work on New England Granites. U. S. G. S., Bull. No. 315, pp. 356–359. 1907.

Slate Deposits and Slate Industry of the United States. By T. N. Dale and others. U. S. G. S., Bull. No. 275. 1906.

Slate Investigations During 1904. U. S. G. S., Bull. No. 260, pp. 486–488. 1905.

The Limestone Quarries of Eastern New York, Western Vermont, Massachusetts and Connecticut. By H. Ries. U. S. G. S., 17th Ann. Rept., pt. 3, pp. 795–811. 1896.

Requirements of Sand and Limestone for Glass Making. By E. F. Burchard. U. S. G. S., Bull. No. 285, pp. 452–458. 1906.

Glass Materials. By J. D. Weeks. U. S. G. S., Mineral Resources for 1883–1884, pp. 958–973. 1885.

Glass Materials. U. S. G. S., Mineral Resources for 1885, pp. 544–555. 1886.

Glass Sand. By A. T. Coons. U. S. G. S., Mineral Resources for 1902, pp. 1007–1015. 1904.

Mica. U. S. G. S., Mineral Resources for 1906, pp. 1149–1163. 1907.

The Occurrence and Uses of Mica. By M. L. Fuller. Stone, vol. 19, pp. 530–532. 1899.

Mica Deposits in the United States. By J. A. Holmes. U. S. G. S., 20th Ann. Rept., pt. 6, pp. 691–707. 1899.

Fluorspar. U. S. G. S., Mineral Resources for 1906, pp. 1063–1066. 1907.

MICA MINING IN INDIA AND THE UNITED STATES. Min. & Sci. Press, vol. 81, p. 281. 2½ columns. I.

THE FULLER'S EARTH INDUSTRY IN THE UNITED STATES. M. & M., Feb., 1902, p. 305. 1½ columns.

BIBLIOGRAPHY OF CLAYS AND THE CERAMIC ARTS. By J. C. Branner. U. S. G. S., Bull. No. 143, 114 pages. 1896.

PROPERTIES AND TESTS OF FULLER'S EARTH. By J. T. Porter. U. S. G. S., Bull. No. 315, pp. 268–290. 1907.

CLAYS OF THE UNITED STATES. U. S. G. S., Mineral Resources for 1883–84, pp. 676–711. 1885.

CLAYS OF THE UNITED STATES. By F. A. Wilber. U. S. G. S., Mineral Resources for 1882, pp. 465–475. 1883.

CLAY MATERIALS OF THE UNITED STATES. U. S. G. S., Mineral Resources for 1892, pp. 712–738. 1893.

CLAY-WORKING INDUSTRIES. By J. Middleton. U. S. G. S., Mineral Resources for 1906, pp. 933–983. 1907.

TECHNOLOGY OF THE CLAY INDUSTRY. By H. Ries. U. S. G. S., 16th Ann. Rept., pt. 4, pp. 523–575. 1895.

THE CLAYS OF THE UNITED STATES EAST OF THE MISSISSIPPI RIVER. U. S. G. S., Professional Paper No. 11. 298 pages. 1903.

CLAY MATERIALS OF THE UNITED STATES. By R. T. Hill. U. S. G. S., Mineral Resources for 1891, pp. 474–528. 1892.

THE POTTERY INDUSTRY OF THE UNITED STATES. U. S. G. S., 17th Ann. Rept., pt. 3, pp. 842–880. 1896.

MINING IN THE NORTHWEST, 1902. By F. B. Smith. J. C. M. I., vol. 6, p. 373. 3 pages.

THE NON-METALLIC MINERAL PRODUCTS OF THE UNITED STATES. By E. C. Eckel. Min. Mag., Sept., 1904, p. 167. 16 columns. Map.

THE GEOGRAPHIC DISTRIBUTION OF METALLIFEROUS ORE WITHIN THE UNITED STATES. By F. L. Ransome. Min. Mag., July, 1904, p. 7. 16 columns. I.

ATLANTA DISTRICT. By J. E. Clayton. T. A. I. M. E., vol. 5, p. 468.

DEATH VALLEY: A Description of the Most Desolate Spot in North America, Its History, Inhabitants and Products. By Don Maguire. M. & M., Apr., 1903, p. 410. 4½ columns.

ON A REMARKABLE DEPOSIT OF WOLFRAM-ORE IN THE UNITED STATES. By A. Gurlt. T. A. I. M. E., vol. 22, p. 236.

THE RESOURCES OF THE LAKE SUPERIOR REGION. By J. Birkinbine. T. A. I. M. E., vol. 16, p. 168.

MINING DEVELOPMENTS ON THE NORTHWESTERN PACIFIC COAST AND THEIR WIDER BEARING. By A. Bowman. T. A. I. M. E., vol. 15, p. 707.

SEMI-ANNUAL MINING REVIEW (1866). Min. & Sci. Press. vol. 13, p. 20. 4 columns.

THE OUTLOOK FOR MINING IN THE NEW TERRITORY OPENED UP BY THE SAN PEDRO, LOS ANGELES AND SALT LAKE RAILROAD. By M. S. Duffield. E. & M. J., vol. 77, p. 115, 5 columns, I.; p. 155, 5¾ columns, I.; p. 201, 5½ columns, I.

LOCAL RESTRICTION AND DISTRIBUTION OF CERTAIN ORES. By A. Lakes. M. & M., vol. 18, p. 225. ¾ column.

THE PACIFIC COAST AND OTHER MINES COMPARED. Min. & Sci. Press, vol. 32, p. 241. 2 columns.

THE DISTRIBUTION OF MINING DISTRICTS. E. & M. J., vol. 11, p. 169. 1⅓ columns.

MINING IN THE ROCKY MOUNTAIN STATES. E. & M. J., vol. 51, p. 371. 1 column.

PETROLEUM. By F. H. Oliphant. U. S. G. S., 19th Ann. Rept., pt. 6, pp. 1–166. 1898.

Petroleum. By F. H. Oliphant. U. S. G. S., Mineral Resources for 1903, pp. 635–718. 1904. Idem for 1904, pp. 675–759. 1905.

Petroleum. U. S. G. S., Mineral Resources for 1906, pp. 827–896. 1907.

Natural Gas. By B. Hill. U. S. G. S., Mineral Resources for 1906, pp. 811–826. 1907.

Natural Gas. U. S. G. S., Mineral Resources for 1903, pp. 719–743. 1904. Idem for 1904, pp. 761–788. 1905.

Natural Gas in 1894. By J. D. Weeks. U. S. G. S., 16th Ann. Rept., pt. 4, pp. 405–409. 1895.

Origin, Constitution, and Distribution of Rock Gas and Related Bitumens. By W. J. McGee. U. S. G. S., 11th Ann Rept., pt. 1, pp. 589–616. 1891.

Utah

De Lamar's Mercur Mines, Utah. By H. L. J. Warren. E. & M. J., vol. 68, p. 754, 4½ columns, I.; p. 787, I.

M. & M., Aug., 1904, p. 1, 6 columns.

The Camp Floyd Mining District and the Mercur Mines, Utah. By R. C. Gemmell. E. & M. J., vol. 63, p. 403, 3½ columns, I.; p. 427, I.

Camp Floyd District, Utah. By J. W. Neill. E. & M. J., vol. 61, p. 85. 2¾ columns.

Mercur, Utah. By John Dern. Min. & Sci. Press, vol. 75, p. 72, 2 columns; p. 195, 1½ columns.

Economic Geology of the Mercur Mining District, Utah. U. S. G. S., 16th Ann. Rept., pt. 2, pp. 349–369. 1895.

Economic Geology of the Mercur Mining District, Utah. By J. E. Spurr. U. S. G. S., 16th Ann. Rept., pt. 2, pp. 343–455. 1895.

Geology and Mining Industry of the Tintic District, Utah. By G. W. Tower and G. O. Smith. U. S. G. S., 19th Ann. Rept., pt. 3, pp. 601–767. 1899.

History of the Ontario Mine, Park City, Utah. By T. J. Almy. T. A. I. M. E., vol. 16, p. 35.

The Blue Mountains in Utah. E. & M. J., vol. 63, p. 574. 1 column.

Daly-West Mine and Mill. By R. B. Brinsmade. M. & M., vol. 28, p. 353. 5½ columns. I.

The Daly-West Mine, Park City, Utah. E. & M. J., vol. 82, p. 12. 7 columns. I.

The Daly-Judge Mine, Utah. E. & M. J., vol. 82, p. 109. 6 columns. I.

The Daly-West Mine, Park City, Utah. By H. L. J. Warren. E. & M. J., vol. 68, p. 455. 2½ columns. I.

The Silver King Mine and Mill, Utah. By H. L. J. Warren. E. & M. J., vol. 68, p. 545. 3 columns. I.

Silver-Bearing Sandstones of Southern Utah. By Don Maguire. M. & M., vol. 20, p. 323. 3 columns.

The Silver Sandstone District of Utah. By C. M. Rolker. T. A. I. M. E., vol. 9, p. 21.

The Silver Sandstones of Utah. E. & M. J., vol. 23, p. 317. 1⅔ columns.

Silver in Sandstone, Utah. Min. & Sci. Press, vol. 41, p. 416. 3 columns.

The Highland Boy Mine and Mill, Bingham, Utah. E. & M. J., vol. 64, p. 665. 2¾ columns. I.

The Horn Silver Mine, Utah. E. & M. J., vol. 28, pp. 335, 352, 376, 381, 392, 411.

The Delamar and the Horn Silver Mines: Two Types of Ore-Deposits in the Deserts of Nevada and Utah. By S. F. Emmons. T. A. I. M. E., vol. 31, p. 658.

The Horn Silver Mine of Utah. E. & M. J., vol. 27, p. 219. 1½ columns.

The Stateline District, Utah. E. & M. J., vol. 62, p. 556. 1 column.

Stateline Mining District Iron Company, Utah. By G. H. Smith. Min. & Sci. Press, vol. 84, p. 101. 1⅔ columns.

Mines of the Tintic District, Utah. By R. B. Brinsmade. M. & M., vol. 28, p. 291. 9 columns. I.

The Tintic Mining District in Utah. By H. L. J. Warren. E. & M. J., vol. 63, p. 235. 2¾ columns.

The Mines of Tintic, Utah: The Largest and One of the Most Productive Silver, Lead and Copper Regions in the State. By Don Maguire. M. & M., vol. 19, p. 153. 4½ columns. I.

Ore-Deposits of the Tintic District. M. & M., vol. 28, p. 292. 2 columns. I.

Progress Report on Park City Mining District, Utah. By J. M. Boutwell. U. S. G. S., Bull. No. 213, pp. 31–40. 1903.

Economic Geology of the Mercur Mining District, Utah. By J. E. Spurr. U. S. G. S., 16th Ann. Rept., pt. 2, pp. 343–455. 1895.

Geology and Mining Industry of the Tintic District, Utah. By G. W. Tower and G. O. Smith. U. S. G. S., 19th Ann. Rept., pt. 3, pp. 601–767. 1899.

The Utah Consolidated Mining Company. E. & M. J., vol. 82, p. 488. 6 columns. I.

Gold Mines of Mercur: A Description of One of the Most Peculiar Formations of Gold Ore in the World. By Don Maguire. M. & M., vol. 19, p. 81, 4⅓ columns, I.; p. 130, 3½ columns, I.

Gold and Silver Mining in Utah. By O. J. Hollister. T. A. I. M. E., vol. 16, p. 3.

The Deep Creek Mining Region of Utah. E. & M. J., vol. 51, p. 522. ½ column.

La Plata District, Utah. E. & M. J., vol. 52, p. 306. ½ column.

The Chloride Point Mine, Utah. E. & M. J., vol. 66, p. 605. ½ column.

The Emma Mine, Utah. Min. & Sci. Press, vol. 28, pp. 361, 364, 3 columns, I.; p. 377, 1 column, I.

The Limestone and Gold Strata of Deep Creek, Utah. By W. P. Blake. E. & M. J., vol. 53, p. 253. ½ column.

Structural Features of the Ontario Mineral Belt, Park City, Utah. By W. P. Jenney. Min. & Sci. Press, vol. 92, p. 6. 4½ columns. I.

A New Mining Region–Box, Elder County, Utah. By Don Maguire. Min. & Sci. Press, vol. 82, p. 93. 2⅕ columns.

Summit County, Utah, Mines. Min. & Sci. Press, vol. 82, p. 242. 1½ columns.

The Emma Mine. By F. Keffer. E. & M. J., vol. 84, p. 496. 4½ columns. I.

The Old Telegraph Mine, Bingham Cañon, Utah. By C. Fenner. Sch. Mines Quart., vol. 14, p. 354. 4 pages.

Bingham Canyon Mines: A Description of One of the Oldest and Still One of the Richest Mining Camps of Utah. By Don Maguire. M. & M., vol. 19, p. 377. 4 columns. I.

Ore Deposits of Bingham, Utah. By J. M. Boutwell. E. & M. J., vol. 79, p. 1176. 8½ columns. I.

Occurrence of Ore at Bingham, Utah. E. & M. J., vol. 79, p. 1176. 4 columns. I.

Ore Deposits of Bingham, Utah. By J. M. Boutwell. U. S. G. S., Bull. No. 213, pp. 105–122. 1903.

Ore Deposits of Bingham, Utah. U. S. G. S., Bull. No. 260, pp. 236–241. 1905.

Economic Geology of the Bingham Mining District, Utah. U. S. G. S., Professional Paper No. 38. 413 pages. 1905.

The "Copper Placers" of Bingham, Utah. E. & M. J., vol. 63, pp. 543, 628. 1 column.

The Boston Consolidated, Bingham, Utah. E. & M. J., vol. 82, p. 407. 3⅓ columns. I.

The Disseminated Copper Ore of Bingham, Utah. E. & M. J., vol. 80, p. 154. 1¾ columns.

The Bingham Mining Camp, Utah. By N. W. Emmes. Min. Mag., vol. 12, p. 457. 16 columns. I.

Bingham Canyon, Utah. E. & M. J., vol. 82, p. 290. 4½ columns. I.

Mining the Porphyry Ore of Bingham. By W. R. Ingalls. E. & M. J., vol. 84, p. 431, 16 columns, I.; p. 479, 15 columns, I.

Mining at Bingham, Utah. By R. B. Brinsmade. M. & M., vol. 28, p. 90, 7½ columns, I.; p. 105, 6¾ columns, I.

Mining Developments at Bingham, Utah. M. & M., vol. 28, p. 105. ½ column.

The Utah Copper Company's Mine and Mills. E. & M. J., vol. 82, p. 434. 10 columns. I.

The Copper Deposits of the Beaver River Range, Utah. By H. M. Crowther. E. & M. J., vol. 75, p. 965. 1⅔ columns.

The Cactus Copper Mine, Utah. U. S. G. S., Bull. No. 260, pp. 242–248. 1905.

Utah Iron Ores. E. & M. J., vol. 82, p. 60. ½ column.

Iron Ores in Utah: The Extent and Locations of a Number of Deposits Which May Prove of Great Value to the State. By Don Maguire. M. & M., Mar., 1905, p. 408. 3½ columns. I.

Origin of the Magnetic Ores of Iron County, Utah. M. & M., Mar., 1905, p. 381.

Iron Ores in Southern Utah. U. S. G. S., Bull. No. 225, pp. 229–237. 1904.

The Iron Ores of the Iron Springs District, Southern Utah. By C. K. Leith and E. C. Harder. U. S. G. S., Bull. No. 338.

Origin of the Magnetic Iron-Ores of Iron County, Utah. By E. P. Jennings. T. A. I. M. E., vol. 35, p. 338. 4 pages. I.

Iron-Ore Deposits of Southern Utah. By W. P. Blake. T. A. I. M. E., vol. 14, p. 809.

Iron Ores in the Uinta Mountains, Utah. By J. M. Boutwell. U. S. G. S., Bull. No. 225, pp. 221–228. 1904.

The Utah Coal Fields of the Wasatch. By A. Lakes. M. & M., vol. 27, p. 61. 3 columns. I.

The Coal Mines of Utah. By Don Maguire. M. & M., vol. 19, p. 438. 4 columns. I.

Ozokerite Deposits in Utah. By J. A. Taff and C. D. Smith. U. S. G. S., Bull. No. 285, pp. 369–372. 1906.

The Hydrocarbons of Eastern Utah, with Special Reference to the Deposits of Ozokerite, Gilsonite, and Elaterite. By Don Maguire. M. & M., vol. 20, p. 398. 4 columns. I.

Gilsonite or Uintahite: A New Variety of Asphaltum from Uinta Mountains, Utah. By J. M. Locke. T. A. I. M. E., vol. 16, p. 162.

Oil and Asphalt in Salt Lake Basin, Utah. By J. M. Boutwell. U. S. G. S., Bull. No. 260, pp. 468–479. 1905.

The Uintahite (Gilsonite) Deposits of Utah. By G. H. Eldridge. U. S. G. S., 17th Ann. Rept., pt. 1, pp. 909-949. 1896.

The Uinta and Uncompahgre Asphaltites of Utah. E. & M. J., vol. 64, p. 10. 2½ columns.

Oil and Asphalt Prospects in Salt Lake Basin, Utah. By J. M. Boutwell. U. S. G. S., Bull. No. 260, pp. 468–479. 1905.

Rock Gypsum at Nephi, Utah. By J. M. Boutwell. U. S. G. S., Bull. No. 225, pp. 483–487. 1904.

Slate Deposits of California and Utah. By E. C. Eckel. U. S. G. S., Bull. No. 225, pp. 417–422. 1904.

SALT INDUSTRY OF UTAH AND CALIFORNIA. U. S. G. S., Bull. No. 225, pp. 488–495. 1904.

PHOSPHATE ROCK IN UTAH, IDAHO AND WYOMING. By C. C. Jones. E. & M. J., vol. 83, p. 953. 8¼ columns. I.

THE SULPHUR-DEPOSITS OF SOUTHERN UTAH. By A. F. DuFaur. T. A. I. M. E., vol. 16, p. 33.

THE COVE CREEK SULPHUR BEDS, UTAH. By W. T. Lee. U. S. G. S., Bull. No. 315, pp. 485–489. 1907.

NOTES ON GLASS SANDS FROM VARIOUS LOCALITIES, MAINLY UNDEVELOPED. U. S. G. S., Bull. No. 315, pp. 377–382. 1907.

GLASS SAND, SAND, AND GRAVEL. U. S. G. S., Mineral Resources for 1906, pp. 993–1000. 1907.

NATURAL GAS NEAR SALT LAKE CITY, UTAH. By G. B. Richardson. U. S. G. S., Bull. No. 260, pp. 480–483. 1905.

THE UTAH GUANO DEPOSITS. E. & M. J., vol. 63, p. 602. ½ column.

MINING IN UTAH. Min. & Sci. Press, vol. 40, p. 265. 3 columns.

THE MINING DISTRICTS OF UTAH. Min. & Sci. Press, vol. 27, p. 217. 2¼ columns. Map.

UTAH MINING NOTES. By Don Maguire. M. & M., vol. 19, p. 128. 2 columns.

THE MINERAL RESOURCES OF UTAH. By C. F. Allen. E. & M. J., vol. 24, pp. 28, 47, 85.

GEOLOGY AND ECONOMICS ALONG THE LINE OF THE NEW MOFFAT RAILROAD TO BE BUILT FROM DENVER TO SALT LAKE CITY. By A. Lakes. M. & M., Apr., 1903, p. 418. 2½ columns.

Venezuela

OBSERVATIONS ON THE GOLD FIELDS OF VENEZUELA AND GEOLOGY OF THE STATE OF GUAIANA. Am. Jour. Min., vol. 7, p. 145. 1 column.

NOTE ON EL CALLAO GOLD MINE OF VENEZUELA. By Robt. Peele. Sch. Mines. Quart., vol. 14, p. 155. 1 page.

THE VENEZUELA GOLD MINES. By E. E. Olcott. E. & M. J., vol. 40, p. 404. 1½ columns.

THE EL CALLAO MINE, VENEZUELA. By B. Searle. E. & M. J., vol. 54, p. 172. 1¼ columns.

NOTES ON THE EL CALLAO MILL, REPUBLIC VENEZUELA. By G. P. Ashmore. T. I. M. & M., vol. 9, p. 107. 14 pages.

NOTES ON THE EL CALLAO MILL, VENEZUELA. By C. P. Ashmore and Chas. Seale. T. I. M. & M., vol. 9, p. 107. 18½ pages. I.

THE ASPHALT DEPOSITS OF VENEZUELA. E. & M. J., vol. 71, p. 303. 1½ columns. I.

MINERAL RESOURCES OF VENEZUELA. By C. Bullman. E. & M. J., vol. 45, p. 340. 1½ columns.

Vermont

GOLD MINING IN VERMONT. By M. E. Smith. 2d Bienn. Rept. Bd. Agric., 1873–4, pp. 754, 758.

GOLD IN VERMONT: Improbability of Profit in Mountain Gold Mines. Rept. State Geologist on Mineral Resources, 1899–1900, pp. 12–14.

UNCERTAINTY OF GOLD MINING IN VERMONT. Rept. State Geologist on Mineral Industries, 1901–02, pp. 32–34.

REVIEW OF GOLD MINING IN VERMONT. Rept. State Geologist, 1903–04, pp. 54–58.

QUARTZ VEINS IN MAINE AND VERMONT. U. S. G. S., Bull. No. 225, pp. 81–88. 1904.

THE COPPER DEPOSITS OF VERMONT. By H. A. Wheeler. Sch. Mines Quart., vol. 4, p. 217. 6 pages.

THE COPPER DEPOSITS OF ORANGE COUNTY, VERMONT. By H. L. Smyth and P. S. Smith. E. & M. J., vol. 77, p. 677. 4½ columns.

The Elizabeth Copper Mines, Vermont. E. & M. J., vol. 42, p. 327. 1 column.

Notes on the Copper Mines of Vermont. By W. H. Weed. U. S. G. S., Bull. No. 225, pp. 190–199. 1904.

Copper Mines in Vermont. E. & M. J., vol. 67, p. 590. 1 column.

Hematite of Franklin County, Vermont. By A. F. Brainerd. T. A. I. M. E., vol. 13, p. 689.

The Ely Mine of Vermont. By E. D. Peters. E. & M. J., vol. 52, p. 6. 2 columns.

Chemical Notes on the Composition of the Roofing Slates of Eastern New York and Western Vermont. By W. F. Hillebrand. U. S. G. S., 19th Ann. Rept., pt. 3, pp. 301–305. 1899.

The Limestone Quarries of Eastern New York, Western Vermont, Massachusetts, and Connecticut. By H. Ries. U. S. G. S., 17th Ann. Rept., pt. 3, pp. 795–811. 1896.

The Slate Belt of Eastern New York and Western Vermont. By T. Nelson Dale. U. S. G. S., 19th Ann. Rept., pt. 3, pp. 153–200. 1899.

Notes on the Occurrence of Asbestos in Lamoille and Orleans Counties, Vermont. By J. F. Kemp. U. S. G. S., Mineral Resources for 1900, pp. 862–866. 1901.

Virginia and West Virginia

Report of Explorations on the Gold Fields of Virginia and North Carolina. By H. Credner. E. & M. J., vol. 6, p. 377, 1¼ columns; p. 393, 1½ columns; p. 406, 1½ columns; p. 361, 1½ columns.

A Virginia Gold Mine. By E. K. Judd. E. & M. J., vol. 83, p. 343. 1½ columns.

Gold and Silver in the Ohio Valley, West Virginia. By J. D. Whitham. E. & M. J., vol. 48, p. 71. 2 columns.

Gold Mining in Virginia. Min. & Sci. Press, vol. 31, p. 210. 1½ columns.

The Iron Ores of the Potsdam Formation in the Valley of Virginia. By C. Collett. E. & M. J., vol. 68, p. 157. 2 columns.

The Mining of Potsdam Brown Ores in Virginia. By E. C. Perchin. E. & M. J., vol. 52, p. 333. 3 columns.

Virginia Oriskany Iron Ores. By E. C. Perchin. E. & M. J., vol. 54, p. 150. 2 columns. I.

The Oriskany Iron Ores at Rich Patch Mines, Virginia. By E. C. Perchin. E. & M. J., vol. 61, p. 113, 1½ columns; p. 134, 1⅓ columns; p. 159, 2½ columns.

The Iron-Ores of Virginia and their Development. By E. C. Perchin. T. A. I. M. E., vol. 19, p. 1016.

The Iron-Ores of the Valley of Virginia. By A. S. McCreath. T. A. I. M. E., vol. 12, p. 17.

Note on Black-Band Iron Ore in West Virginia. By S. P. Sharples. T. A. I. M. E., vol. 10, p. 80.

The Rich Patch Iron Tract, Virginia. By H. M. Chance. T. A. I. M. E., vol. 29, p. 210.

The Pyrites Deposits of Louisa County, Virginia. By W. H. Adams. T. A. I. M. E., vol. 12, p. 527.

The Brown Ores of the New River-Cripple Creek District, Virginia. By R. J. Holden. U. S. G. S., Bull. No. 285, pp. 190–193. 1906.

The Oriskany and Clinton Iron Ores of Virginia. U. S. G. S., Bull. No. 285, pp. 183–189. 1906.

Origin of the Iron Pyrites Deposits in Louisa County, Virginia. By F. L. Nason. E. & M. J., vol. 57, p. 414. 4¼ columns. I.

The Rich Hill Iron Ores, Virginia. By F. P. Dewey. T. A. I. M. E., vol. 10, p. 77.

Pyrite Mining in Virginia. By R. H. Pointer. E. & M. J., vol. 80, p. 148. 3½ columns.

Ore Supply for Virginia Furnaces. By E. C. Perchin. E. & M. J., vol. 51, p. 322, 1½ columns; p. 349, 2 columns.

The Iron Ores at Buena Vista, Rockridge County, Virginia. By E. C. Perchin. E. & M. J., vol. 48, p. 92. 2⅔ columns. I.

Copper Deposits Near Luray, Virginia. By W. C. Phalen. U. S. G. S., Bull. No. 285, pp. 140–143. 1906.

The Virginia Copper Belt. By E. K. Judd. E. & M. J., vol. 82, p. 1005. 11 columns. I.

The Copper Deposits of Virginia. By T. L. Watson. E. & M. J., vol. 82, p. 824. 8 columns. I.

Bibliography of the Lead- and Zinc-Deposits of Virginia and Tennessee. T. A. I. M. E., vol. 36, p. 736. 1¼ pages.

The Mining, Preparation and Smelting of Virginia Zinc-Ores. By T. L. Watson. T. A. I. M. E., vol. 37, p. 304. 15 pages. I.

Lead and Zinc Deposits of the Virginia-Tennessee Region. By T. L. Watson. T. A. I. M. E., vol. 36, p. 681. 56 pages. I.

The Bertha Zinc-Mines at Bertha, Virginia. By W. H. Case. T. A. I. M. E., vol. 22, pp. 511, 696.

Zinc Mining and Smelting in Southwestern Virginia. By E. Higgins, Jr. E. & M. J., vol. 79, p. 608, 6¾ columns, I.; p. 658, I.

Zinc Ores of Virginia. By C. Q. Payne. E. & M. J., vol. 78, p. 544. 1¾ columns.

The Bertha Zinc Mines at Bertha, Virginia. By W. H. Case. E. & M. J., vol. 56, p. 292. 6 columns. I.

The Wythe Lead and Zinc Mines, Virginia. E. & M. J., vol. 55, p. 561, 2 columns, I.; p. 586, 1¼ columns.

The Tug River Coal-Field: A Description of the General Geology of the Region and of the Qualities of the Coal. By H. M. Payne. M. & M., Mar., 1905, p. 391. 3 columns. I.

The Richmond Coal Basin, Virginia. By E. K. Judd. E. & M. J., vol. 83, p. 289. 3⅔ columns. I.

Keokee Coal and Coke Plant, Virginia. By H. E. Judd. M. & M., vol. 28, p. 586. 4 columns. I.

The Pocahontas Collieries Company, Virginia. By F. W. Parsons and W. Leckie. E. & M. J., vol. 82, p. 782. 9½ columns. I.

Virginia Anthracite Field. By J. C. Tiffany. M. & M., vol. 26, p. 349. 4 columns.

Norton Coal Mines, Virginia. By R. Fleming. M. & M., vol. 21, p. 289. 3 columns. I.

The Atlantic Coast Triassic Coal Field [Virginia, North Carolina]. By J. B. Woodworth. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 25–54. 1902.

The Southern Appalachian Coal Field [Alabama, Georgia, Tennessee, Kentucky, Virginia]. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 227–264. 1902.

Coal Fields of the United States. U. S. G. S., Bull. No. 213, pp. 257–269. 1903.

Geology of the Big Stone Gap Coal Field of Virginia and Kentucky. By M. R. Campbell. U. S. G. S., Bull. No. 111. 106 pages. 1893.

Norton Coal Mines at Norton, Virginia: A Description of the Mines, the Coal Seams and the Methods of Mining and Handling the Coal. By Robert Fleming. M. & M., vol. 21, p. 289. 3 columns. I.

Coal Measures of Wise County, Virginia. By F. Bache. E. &. M. J., vol. 57, p. 605. 1½ columns. I.

Mineral Resources Along the Line of the East Tennessee, Virginia, and Georgia Division of the

Southern Railroad. By W. M. Brewer. E. & M. J., vol. 61, p. 65. 1 column.

The History and Conditions of Mining in the Richmond Coal-Basin, Virginia. By J. B. Woodworth. T. A. I. M. E., vol. 31, p. 477.

The Midlothian Colliery, Virginia. By O. J. Heinrich. T. A. I. M. E., vol. 1, pp. 346–360.

The Virginia Anthracite Coal-Field. By L. L. Randolph. Eng. News, Oct. 20, 1904.
Min. Mag., Dec., 1904, p. 421. ½ column.

Eastern Virginia Coal-Field. By M. Coryell. T. A. I. M. E., vol. 3, p. 228.

The History and Conditions of Mining in the Richmond Coal-Basin, Virginia. By J. B. Woodworth. T. A. I. M. E., vol. 31, pp. 477, 1011.

Southwest Virginia Coal Belt: A Description of the Coal and Coke Plant of the Virginia Iron, Coal, and Coke Company. By Joseph Virgin. M. & M., Oct., 1901, p. 110.

Notes on the Coal-Field of Southwestern Virginia. By J. B. Killebrew. E. & M. J., vol. 47, p. 64, 2½ columns; p. 85, ⅓ column.

Coal Mining in Southern West Virginia. By F. W. Parsons. E. & M. J., vol. 84, p. 881. 6 columns. I.

The Georges Creek Coal Basin West Virginia. E. & M. J., vol. 79, p. 649. 2 columns.

Jackson County Coal Mines, West Virginia. By A. Roy. M. & M., vol. 19, p. 254. 1¼ columns.

Coal Mining at Holden, West Virginia. By R. H. Lyman. E. & M. J., vol. 82, p. 1120, 7 columns, I.; p. 1170, 9 columns, I.

Coal Mining in the Fairmont Field, West Virginia. By F. W. Parsons. E. & M. J., vol. 82, p. 1018, 6 columns. Map; p. 1070, 8 columns, I.

The Tug River Coal Field, West Virginia. 1900–1905. By H. M. Payne. M. & M., vol. 25, p. 391. 1⅓ columns.

The Pocahontas Coals, Pottsville Series No. XII, in Raleigh and Wyoming Counties of West Virginia. By H. W. Althouse. Min. Mag., vol. 13, p. 201. 38 columns. I.

West Virginia's Coal Fields. By I. C. White. Coll. Engr., vol. 8, p. 202. 3½ columns.

West Virginia Coals. By N. Robinson. E. & M. J., vol. 79, p. 1127. 1⅓ columns.

The Thacker Coal-Field of West Virginia. By A. Roy. M. & M., vol. 19, p. 472. 1¼ columns.

West Virginia Coal-Fields. By I. C. White. Min. Mag., Aug., 1904, p. 142. 5 columns.

The New River Coal-Field of West Virginia. By S. F. Morris. T. A. I. M. E., vol. 8, p. 261.

The Elk Garden and Upper Potomac Coal-Fields of West Virginia. By J. D. Weeks. T. A. I. M. E., vol. 24, p. 351.

Geological Notes on the Manganese Ore-Deposits of Crimora, Virginia. By C. E. Hall. T. A. I. M. E., vol. 20, p. 46.

The Crimora Manganese Mine, Virginia. By E. K. Judd. E. & M. J., vol. 83, p. 478. 3 columns.

Notes on the Manganese-Ore Deposit of Crimora, Virginia. By C. E. Hall. E. & M. J., vol. 52, p. 94. 1½ columns. I.

The Crimora Manganese Mine, Virginia. E. & M. J., vol. 49, p. 333. 2 columns. I.

Some of the Manganese Deposits of the Valley of Virginia. By C. Collett. E. & M. J., vol. 64, p. 156. 2 columns.

The Arsenic Mines at Brinton, Virginia. By J. L. Cowan. E. & M. J., vol. 78, p. 105. 3 columns. I.

Tin Ore in Virginia. By A. Winslow. E. & M. J., vol. 40, p. 320. 1 column. I.

The Ores of Cripple Creek, Virginia. By C. R. Boyd. T. A. I. M. E., vol. 12, p. 27.

Some of the Ores of Virginia. By J. A. Ede. Coll. Engr., vol. 11, p. 233. 3½ columns.

Geological Section Along the New and Kanawha Rivers in West Virginia. By M. R. Campbell and W. C. Mendenhall. U. S. G. S., 17th Ann. Rept., pt. 2, pp. 473–511. 1896.

The Mineral Resources of Southwestern Virginia. By C. R. Boyd. T. A. I. M. E., vol. 8, p. 338.

The Mineral Wealth of Southwestern Virginia. By C. R. Boyd. T. A. I. M. E., vol. 5, p. 81.

Diatomaceous Sands of Richmond, Virginia. By M. Coryell. T. A. I. M. E., vol. 4, p. 230.

The "Great Gossan" of Virginia. By E. C. Moxham. T. A. I. M. E., vol. 21, p. 133.

Salt and Gypsum Deposits of Southwestern Virginia. By E. C. Eckel. U. S. G. S., Bull. No. 213, pp. 406–416. 1903.

Pure Limestone in Berkeley County, West Virginia. By G. W. Stose. U. S. G. S., Bull. No. 225, pp. 516–517. 1904.

Glass-Sand Industry in Eastern West Virginia. By G. W. Stose. U. S. G. S., Bull. No. 285, pp. 473–475. 1906.

Rutile Mining in Virginia. By G. P. Merrill. E. & M. J., vol. 73, p. 351. 1 column.

Washington

Ore Deposits of Monte Cristo, Washington: An Abstract of Monograph, by J. E. Spurr. M. & M., Dec., 1902, p. 204. 4½ columns.

Gold Placers of the Coast of Washington. By Ralph Arnold. U. S. G. S., Bull. No. 260, pp. 154–157. 1905.

Gold-Bearing River Sands of Northeastern Washington. By A. J. Collier. U. S. G. S., Bull. No. 315, pp. 56–70. 1907.

Gold Mining in Central Washington. By G. O. Smith. U. S. G. S., Bull. No. 213, pp. 76–80. 1903.

The Ore Deposits of Monte Cristo, Washington. U. S. G. S., 22d Ann. Rept., pt. 2, pp. 777–866. 1902.

The Monte Cristo Mining District, Washington. By R. H. Stretch. E. & M. J., vol. 55, p. 343. 1 column. I. Map.

The Deu Pru Lode, Washington. By H. Landes. E. & M. J., vol. 65, p. 39. 3½ columns. I.

Gold Veins of Silver Mountain, Ophir, San Miguel County, Colorado. E. & M. J., vol. 38, p. 330. ½ column.

Lake Chelan District: An Account of an Undeveloped Mining District in the State of Washington. By A. Lakes. M. & M., vol. 20, p. 268. 4 columns. I.

The Mines of Kittitas County, Washington. E. & M. J., vol. 54, p. 608. 1½ columns.

Night Hawk Mines, Washington. M. & M., vol. 22, p. 310. ¾ column.

The Mount Baker Mining District, Washington. By G. O. Smith. E. & M. J., vol. 73, p. 379. 3¾ columns. I.

The Independent Mine at Silverton, Snokomish County, Washington. By R. H. Stretch. E. & M. J., vol. 73, p. 832. 2 columns. I.

The Silverton Mining District, Snokomish County, Washington. By R. H. Stretch. E. & M. J., vol. 72, p. 105. 1½ columns.

The Lone Pine Surprise Consolidated Mines, Republic, Washington. By M. H. Joseph. E. & M. J., vol. 69, p. 617. 4¾ columns. I.

The Mountain Lion Mine, Republic, Washington. By M. H. Joseph. E. & M. J., vol. 69, p. 285. 3 columns. I.

The Republic District, Washington. Min. & Sci. Press, vol. 79, p. 312. 1¾ columns.

Notes on the Republic District, Washington, with Special Reference to the Metallurgy of its Ores. By J. C. Ralston. E. & M. J., vol. 74, p. 74. 9½ columns. I.

The Republic Mine, Washington. By M. H. Joseph. E. & M. J., vol. 68, p. 725. 4 columns. I.

The Republic Mine, Washington. By M. H. Joseph. E. & M. J., vol. 66, p. 545. 2¼ columns. I.

The Republic Mining Camp, Washington. By M. H. Joseph. E. & M. J., vol. 68, p. 635. 3¾ columns. I.

Great Scott Copper Lode, Chelan County, Washington. By R. Yound. E. & M. J., vol. 74, p. 648. 2 columns. I.

Grand Encampment Copper District. By H. W. Beeler. E. & M. J., vol. 76, p. 618. 2⅓ columns. I.

A Washington Copper Deposit. By R. H. Norton. E. & M. J., vol. 67, p. 173. 2 columns. I.

The Copper Deposits of Index, Washington. By W. H. Mackellar. E. & M. J., vol. 68, p. 155. ½ column. I.

The Clealum Iron Ores, Washington. By George O. Smith, and B. Willis. T. A. I. M. E., vol. 30, pp. 356–366. 1901.

The Washington Coal Situation. By R. P. Tarr. E. & M. J., vol. 83, p. 1010. 2¼ columns.

The Coal Measures of Washington. By S. G. Dewsnop. E. & M. J., vol. 52, p. 245. 1½ columns.

The Pacific Coast Coal Fields [Oregon, Washington, California]. By G. O. Smith. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 473–514. 1902.

The Coos Bay Coal Field, Oregon. By J. S. Diller. U. S. G. S., 19th Ann. Rept., pt. 3, pp. 309–376. 1898.

Some Coal Fields of Puget Sound [Washington]. U. S. G. S., 18th Ann. Rept., pt. 3, pp. 393–436. 1898.

Coal Mining in Washington: The Mines of the Northern Pacific Coal Company at Roslyn and the Mines at Kittitas County. M. & M., vol. 19, p. 193, 5½ columns, I.; p. 255, 4 columns, I.

Washington Coal Mining: An Abstract of the Annual Report of C. F. Owens, State Mine Inspector, for 1901. M. & M., Apr., 1902, p. 410. 2 columns.

Mount Rainier Coalfields. By G. S. Rice. E. & M. J., vol. 79, p. 660. 4¾ columns. I.

The Clay Deposits of Washington. By H. Landes. U. S. G. S., Bull. No. 260, pp. 550–558. 1905.

Arsenic in Washington. M. & M., June, 1902, p. 501.

Mining in Eastern Washington in 1906. By M. H. Joseph. E. & M. J., vol. 83, p. 185. 2⅔ columns.

The Northwestern Mining Camps, Washington and British Columbia. By W. B. Turner. M. & M., vol. 18, p. 313. 3 columns. I.

West Indies

Gold in Santo Domingo. E. & M. J., vol. 80, p. 69. 1½ columns.

Gold Mining in Santo Domingo. By F. L. Garrison. E. & M. J., vol. 84, p. 490. 8 columns. I.

The Gold-Fields of the Southern Portion of the Island of San Domingo. By R. P. Rothwell. T. A. I. M. E., vol. 10, p. 345.

Gold in Santo Domingo. E. & M. J., vol. 80, p. 311, 1 column; vol. 79, p. 1128, 7½ columns. I.

Copper Mines near Havana, Cuba. By W. H. Weed. E. & M. J., Jan. 26, 1905, p. 176. 4 columns. I.

The Copper Mines of Santa Clara Province, Cuba. By T. W. Vaughan. E. & M. J., vol. 72, p. 814. 8 columns. I.

El Cobre Copper Mines, Santiago de Cuba. By A. E. Heighway. E. & M. J., vol. 75, p. 220. 2 columns. I.

Copper Mining in Cuba. By B. B. Lawrence. Min. & Sci. Press, vol. 93, p. 602. 1 column.

The Iron-Ore Range of the Santiago District, Cuba. By J. P. Kimball. T. A. I. M. E., vol. 13, p. 613.

Santiago Iron Mines: A Description and History of the Principal Iron and Manganese Mines of Cuba. M. & M., vol. 19, p. 109. 4 columns. I.

The Iron Ores of Santiago, Cuba. By A. C. Spencer. E. & M. J., vol. 72, p. 633. 6 columns. I.

Geological Relations and Genesis of the Specular Iron Ores of Santiago, Cuba. By J. P. Kimball. E. & M. J., vol. 38, p. 409. 5½ columns.

Manganese Deposits of Santiago, Cuba. By A. C. Spencer. U. S. G. S., Bull. No. 213, pp. 251–255. 1903.

Manganese Mining in Cuba. By A. E. Heighway. E. & M. J., vol. 75, p. 255. ⅔ column. I.

The Manganese Deposits of Santiago Province, Cuba. By A. C. Spencer. E. & M. J., vol. 74, p. 247. 4 columns. I.

Manganese Mines Near Santiago, Cuba. E. & M. J., vol. 46, p. 438. 1¾ columns.

Occurrences and Mining of Manjak in Barbados, West Indies. By W. Merrivale. T. F. I. M. E., vol. 14, p. 539. 10 pages.

Barbados Manjak (Asphaltum). By W. Merrivale. E. & M. J., vol. 66, p 790. 1¼ columns.

Manjak Mining, Barbados. E. & M. J., vol. 82, p. 18. ¾ column.

Bitumen in Cuba. By T. W. Vaughan. E. & M. J., vol. 73, p. 344. 11 columns.

Mineral Deposits of Santiago, Cuba. By H. Souder. T. A. I. M. E., vol. 35, p. 309, 14 pages; p. 1008, 2 pages.

References on the Mineral Industry of Santiago, Cuba. T. A. I. M. E., vol. 35, p. 321.

Porto Rico: Her Mineral Resources, Their Value and Extent and the Reasons why they are not More Developed. By M. V. Domenech. M. & M., vol. 19, p. 529. 6½ columns. I.

Notes on San Domingo. By R. Henschkel. E. & M. J., vol. 5, p. 226, 1 column; p. 243, 1 column.

Amber in Santo Domingo. By C. C. Sample. E. & M. J., vol. 80, p. 250. 3½ columns.

Mineral Resources of Cuba: the Asphaltum and Mineral Oils, Copper, Gold, and Silver Deposits of the Island. M. & M., vol. 19, p. 158. 2½ columns.

Mining Conditions in Cuba. By W. B. Phillips. E. & M. J., vol. 68, p. 638. 2 columns.

The Mineral Resources of Cuba. By R. Cobrera. E. & M. J., vol. 66, p. 308. 2½ columns.

Wisconsin

Glacial Gold in Wisconsin. By Kirby Thomas. E. & M. J., vol. 74, p. 248. 1½ columns.

Zinc and Lead Deposits of Southwestern Wisconsin. By U. S Grant. U. S. G. S., Bull. No. 260, pp. 304–310. 1905.

Zinc and Lead Mines near Dodgeville, Wisconsin. By E. E. Ellis. U. S. G. S., Bull. No. 260, pp. 311–315. 1905.

The Lead and Zinc Fields of Wisconsin. By A. J. Roethe. E. & M. J., vol. 61, p. 88. 1½ columns.

The Wisconsin Zinc-Fields. By F. Nicholson. E. & M. J., vol. 76, p. 847. 9 columns. I.

The Lead Region of Wisconsin. E. & M. J., vol. 26, p. 7, ⅔ column; p. 23, 1 column, I.; p. 41, 2½ columns, I.; p. 61, 1 column, I.; p. 77, ½ column; p. 95, ⅔ column; p. 132, 1¼ columns, I.; p. 237, 2 columns.

The Wisconsin Zinc District. By H. A. Wheeler. M. & M., vol. 26, p. 368. 8¼ columns. Map.

Zinc and Lead Deposits of Wisconsin. By U. S. Grant. Min. Mag., vol. 13, p. 453. 16 columns. I.

The Wisconsin Zinc Fields. E. & M. J., vol. 82, p. 294, 6½ columns, I.; p. 359, 1 column.

Lead Mining in the Wisconsin-Iowa-Illinois District. E. & M. J., vol. 82, p. 58. 7 columns. I.

The Wisconsin Lead and Zinc District. E. & M. J., vol. 81, p. 1183. 8½ columns. I.

Copper Mining in Northern Wisconsin. By K. Thomas. M. & M., vol. 21, p. 102. 2 columns.

The Baraboo Iron-Bearing District, Wisconsin. By S. Weidman. Geol. Survey of Wis., Rept. 1904.

Min. Mag., Dec., 1904, p. 419. 4 columns.

Iron Ores of Wisconsin. By S. Weidman. E. & M. J., Mar. 30, 1905, p. 610. 5½ columns. I.

The Baraboo Iron Range. By O. Rohn. E. & M. J., vol. 76, p. 615. 7 columns. I.

The Mineral Deposits of Southwest Wisconsin. By W. P. Blake. T. A. I. M. E., vol. 22, p. 558.

The Ore Bodies of Etna Hill, Wisconsin. By H. A. Wheeler. M. & M., vol. 28, p. 320. 1⅞ columns.

The Mineral Resources of Wisconsin. By R. D. Irving. T. A. I. M. E., vol. 8, p. 478.

Wyoming

Gold and Silver in Wyoming Coals. E. & M. J., vol. 84, p. 931. ¼ column.

The Douglas Creek Placers, Albany County, Wyoming. By E. P. Snow. E. & M. J., vol. 10, p. 539. 5 columns. I.

The Bald Mountain District, Wyoming. By F. D. Smith. E. & M. J., vol. 62, p. 535. 2 columns. I.

Gold Developments in Central Uinta County, Wyoming, and at other Points on Snake River. By A. R. Schultz. U. S. G. S., Bull. No. 315, pp. 71–88. 1907.

Copper Deposits of the Hartville Uplift, Wyoming. By S. H. Ball. U. S. G. S., Bull. No. 315, pp. 93–107. 1907.

Copper Deposits of the Encampment District, Wyoming. U. S. G. S., Professional Paper No. 25. 107 pages. 1904.

Grand Encampment Copper District of Wyoming: Some Notes on the Geology, and a Description of Some of the Development Work. By A. Lakes. M. & M., vol. 25, p. 200. 3 columns +.

Mineral Resources of the Encampment Copper Region, Wyoming. By A. C. Spencer. U. S. G. S., Bull. No. 213, pp. 158–162. 1903.

The Grand Encampment and Saratoga Districts of Wyoming. By T. Tonge. M. & M., vol. 20, p. 28. 2½ columns. I.

The Wyoming Copper Region. By J. C. Kennedy. E. & M. J., vol. 66, p. 640. 2 columns. I.

Sunrise Iron Mine, Wyoming. By B. W. Vallat. M. & M., vol. 28, p. 439. 4 columns. I.

Titaniferous Iron Ores of Iron Mountain, Wyoming. U. S. G. S., Bull. No. 315, pp. 206–212. 1907.

The Iron-Mines of Hartville, Wyoming. By H. M. Chance. T. A. I. M. E., vol. 30, p. 987.

The Hartville Iron Ore Deposits in Wyoming. By E. P. Snow. E. & M. J., vol. 60, p. 320. 2 columns. I.

The Hartville Iron Ore Range, Wyoming. By S. H. Ball. U. S. G. S., Bull. No. 315, pp. 190–205. 1907.

Platinum in Copper Ores in Wyoming. By S. F. Emmons. U. S. G. S., Bull. No. 213, pp. 94–97. 1903.

The Discovery of Platinum in Wyoming. By W. C. Knight. E. & M. J., vol. 72, p. 845. 1¼ columns.

Hanna, Wyoming, Coal Mines. M. & M., vol. 26, p. 72. 1⅗ columns.

Coal in Northern Wyoming. By F. W. Parsons. E. & M. J., vol. 84, p. 930. 11 columns. I.

Lignite of Northwestern Wyoming, Along the C. B. & Q. R. R. By Stewart Kennedy. M. & M., vol. 27, p. 294. 6⅓ columns. I.

The Coal Resources of Wyoming. By L. W. Trumbull. Min. Mag., vol. 13, p. 246. 5 columns.

Rock Springs Coal Mines in Wyoming: Some Notes on the Formations, the Mines and Methods of Operating. By A. Lakes. M. & M., Mar., 1905, p. 392. 2½ columns.

Gypsum Deposits of the Laramie District, Wyoming. U. S. G. S., Bull. No. 285, pp. 404–405. 1906.

Bentonite of the Laramie Basin, Wyoming. By C. E. Siebenthal. U. S. G. S., Bull. No. 285, pp. 445–447. 1906.

The Bentonite Deposits of Wyoming. By C. A. Fisher. U. S. G. S., Bull. No. 260, pp. 559–563. 1905.

Graphite in the Haystack Hills, Laramie County, Wyoming. U. S. G. S., Bull. No. 315, pp. 426–428. 1907.

Mica in the Hartville Uplift, Wyoming. By S. H. Ball. U. S. G. S., Bull. No. 315, pp. 423–425. 1907.

Portland Cement Materials in Eastern Wyoming. By S. H. Ball. U. S. G. S., Bull. No. 315, pp. 232–244. 1907.

Some Non-Metallic Mineral Resources of Wyoming. By L. W. Trumbull. M. & M., vol. 27, p. 94. 1¼ columns.

Epsom Salts in Wyoming. By W. C. Knight. E. & M. J., vol. 75, p. 259. 1 column.

Sulphur Mining and Refining in Wyoming. By L. W. Trumbull. M. & M., vol. 27, p. 314. 3½ columns. I.

MINE DRAINAGE

Drainage in General

Co-operative Pumping in English Coal Mines. E. & M. J., vol. 75, p. 479. Note.

Co-operative Mine Drainage. E. & M. J., vol. 50, p. 591. ½ column.

Mine Drainage Districts: Proposed Legislation for the Formation of Drainage Districts for Jointly Unwatering a Number of Mines. By D. W. Brunton. M. & M., vol. 27, p. 219. 1¾ columns.

An Important Mine-Drainage Plan. E. & M. J., vol. 82, p. 1082. 1 column.

Proposed Law for the Creation of Mine Drainage Districts. E. & M. J., vol. 83, p. 181. ¾ column.

The Assessment of Drainage Districts. By L. E. Ashbaugh. J. W. Soc. E., vol. 11, p. 433. 20½ pages. I.

Mine Drainage Generally Considered. P. C. M., vol. 3, p. 171. 10 pages. I.

The Drainage of Flooded Mines. By B. Halbestadt. Coll. Engr. & Met. Miner, vol. 16, p. 56. 1 column. I.

Water Supply: Reservoirs, Dams, and Measurement of Water. Placer Mining, Chap. 11, p. 73.

Notes upon the Drainage of a Flooded Ore-Pit. By J. Birkinbine. T. A. I. M. E., vol. 6, p. 174.

Notes on the Unwatering of a Flooded Mine, and on the Permeability of Natural Strata to Air. By B. S. Randolph. T. A. I. M. E., vol. 24, p. 21.

Drainage: The Water Problem. M. & M., Oct., 1901, p. 135.

Preventing Infiltration of Water in Mines. E. & M. J., vol. 67, p. 12, note, p. 526.

Water Freaks in Mines. Min. & Sci. Press, vol. 35, p. 262. ⅓ column.

Disappearance of Water in Mines Without Pumping. Min. & Sci. Press, vol. 43, p. 426. ⅔ column.

Working, Rights of Way and Drainage of Mines. Min. & Sci. Press, vol. 62, p. 323. ⅔ column.

Approximate Data of Open Streams, Weirs, Pipes, etc. By F. S. Beckett. Min. & Sci. Press, vol. 87, p. 36. 4¾ columns. I.

Sinking a Suction Well. Eng.-Cont., vol. 27, p. 117. ⅔ column.

Method of Drawing off Water Through Barrier Pillar in Pennsylvania Mines. Rept. Inspr. Mines, Pa., 1877, p. 200. 2 pages. I.

Quantity of Water in Mines: Great Item of Expense. Min. & Sci. Press, vol. 40, p. 1. ½ column.

At What Depth Do Wet Mines Become Dry? Min. & Sci. Press, vol. 86, p. 33. 1 column +.

How a Mine May Be Dry but not Dusty. By G. Fowler. T. F. I. M. E., vol. 11, p. 128. 14 pages. I.

Draining Adjoining Mines by Means of Diamond Drill Holes. E. & M. J., vol. 83, p. 676. 2 columns. I.

Tapping Water in Mines. E. & M. J., vol. 82, p. 837. 1½ columns. I.

Tapping Water in Mines. E. & M. J., vol. 83, p. 201. 1 column.

Unwatering and Fitting a Lanarkshire Colliery with Modern Appliances. By R. Broom. T. I. M. E., vol. 22, p. 159. 7 pages. I.

Draining the Comstock Mines. By W. P. Harrington. M. & M., vol. 19, p. 544. 1 column.

Water (Amount) Carried Out of the Comstock Mines by Hot Air Currents. Min. & Sci. Press, vol. 48, p. 258. Note.

Water in the Comstock. Min. & Sci. Press, vol. 41, p. 344, ¾ column; vol. 42, p. 88, ⅞ column.

Amount of Water in the Comstock Mines, 1879. Min. & Sci. Press, vol. 39, p. 86, ¼ column; p. 198, note.

Unwatering the Comstock Lode. E. & M. J., vol. 82, p. 961. 5 columns. I.

Unwatering the Comstock Lode. Min. & Sci. Press, vol. 90, p. 73. 4 columns.

Water in the Mines of Cripple Creek. By V. G. Hills. E. & M. J., vol. 76, p. 195. 7½ columns. I.

Unwatering Former Bonanza Mines at Guanajuato, Mexico. By H. R. Wray. E. & M. J., vol. 73, p. 612. 3 columns. I.

Tapping the Water in the Old Minnesota Mine. By S. H. Brady. T. L. S. M. I., vol. 7, p. 119. 1 page.

Drainage in Michigan Mines. Sch. Mines Quart., vol. 20, p. 144. 5 pages. I.

Drainage, Witwatersrand, South Africa. Sch. Mines Quart., vol. 20, p. 393. ½ page.

Gilberton Water-Shaft: The Method Employed for Draining the Gilberton and Draper Collieries. By G. B. Hadesty. M. & M., vol. 19, p. 49. 9 columns. I.

Tapping Drowned Workings at Wheatley Hill Colliery. . By W. B. Wilson. M. & M., June, 1902, p. 493. 8¾ columns.

Drainage of Mines and Pumping Machinery. Machinery for Metalliferous Mines, pp. 94, 135, 155.

Tapping the Water in the Old Minnesota Mine. By S. H. Brady. M. & M., Oct., 1902, p. 104.

Drainage of the Okefenokee Swamps. By W. M. Brewer. E. & M. J., vol. 55, p. 514. ½ column.

Drainage of the Harlem River Tunnel. E. & M. J., vol. 80, p. 72. 2⅙ columns. I.

The Drainage of the Valley of Mexico. By R. E. Chism. E. & M. J., vol. 46, p. 478, 3 columns; p. 500, 2½ columns; p. 522, 4 columns, I.

The Drainage of the Surface Waters of the Ontario Mine, Utah. By J. E. Clayton. E. & M. J., vol. 37, p. 257. 1 column.

The Right of Mines to Drainage. E. & M. J., vol. 42, p. 277. ⅔ column.

Draining in Mines. Coll. Engr., vol. 12, p. 197. 1¼ columns.

The System of Drainage in the Wet Longwall Mines at Braceville, Illinois. Coll. Engr., vol. 13, p. 54. 1 column. I.

Water in Arizona Mines. By D. E. Woodbridge. E. & M. J., vol. 81, p. 746. ¾ column.

Method Employed at the Silver Islet Mine in Controlling Water Entering, During Shaft Sinking, Through an Exploratory Hole. E. & M. J., vol. 34, p. 322. Note.

Water in the Colorado Mines. E. & M. J., vol. 76, p. 117. Table.

Mine Drainage at Joplin. By W. R. Crane. Min. & Sci. Press, vol. 92, p. 85. 3½ columns. I.

Unwatering of the Hamilton and Ludington Mines. By J. T. Jones. T. L. S. M. I., vol. 11, p. 139. 10 pages. I.

Drainage at the Daly-Judge Mine, Utah. M. & M., vol. 28, p. 79. 2 columns. I.

Draining the Panther Creek Basin, Pennsylvania. By H. H. Stoek. M. & M., vol. 28, p. 163. 4 columns. I.

Drainage in DeBeers Mines. Diamond Mines of South Africa, pp. 334–339.

The Economical Application of Steam Power to the Drainage of Mines and Raising of Minerals Therefrom. By B. Woodworth. T. N. S. I. M. & M. E., vol. 1, p. 84. 14 pages.

Mine Drainage on the Rand. Gold Mines of the Rand, p. 136. 2 pages. I.

Pumping Engines: Cornish Pumps. Gold Mines of the Rand, p. 143. Note.

Pumping on the Rand. Gold Mines of the Rand, p. 167. 12½ pages. I.

Bore-Holes for Pumping Purposes. By E. S. Wight. T. I. M. E., vol. 26, p 147. 4½ pages. I.

Sewage System for Mining Town. By F. A. Coleman. M. & M., Oct., 1904, p. 116.

Theory of Pumping

General Rules in Designing Pumps. P. E. Soc. W. Pa., vol. 19, p. 850. 2 pages.

Deep Well Pumping. By E. E. Johnson. J. W. Soc. E., vol. 2, p. 169. 62 pages. I.

Pumps at High Altitudes. E. & M. J., vol. 32, p. 253. Note.

Pumping in Deep Mines. E. & M. J., vol. 68, p. 552. 1½ columns.

Calculating Horse Power of Double-Acting Steam Pump for a Given Vertical Distance Between Points of Intake and Discharge. M. & M., July, 1902, p. 571.

Pumping: Size of a Double-Acting Pump. M. & M., Aug., 1903, p. 46.

When a Pump Cannot Work. M. & M., vol. 19, p. 525. 1½ columns.

Some of the Considerations Affecting the Choice of Pumping Machinery. By A. H. Meysey-Thompson and H. Lupton. T. I. M. E., vol. 24, p. 276, 18 pages; vol. 25, p. 175, 16 pages.

Calculations Pertaining to Pumping. M. & M., vol. 21, p. 328. 1¾ columns.

The Slide Rule Specially Adapted to the Solution of Pump Calculations. By W. Cox. E. & M. J., vol. 52, p. 192. 2 columns.

Steam Pumps: Hints on Their Selection and Practical Management. Coll. Engr., vol. 11, p. 5. 1½ columns.

Pump Problem. Coll. Engr., vol. 10, p. 275. ½ column.

Bull Pump at Exeter Shaft. 2d Geol. Survey Pa. A. C. Atlas, pt. 12. I.

To Find Pressure on Pump per Square Inch. M. & M., vol. 24, p. 143. ½ column.

Pumping: Size of Pipe and Steam Pressure Required. M. & M., vol. 24, p. 146. ½ column.

Drainage and Pumping of Mines: Pump Calculations. M. & M., vol. 20, p. 475. 2½ columns.

Pumps: Principles Governing. Min. & Sci. Press, vol. 21, p. 137. 3 columns. I.

Pump Problem: Where Water Increases in Volume with Depth. Coll. Engr., vol. 13, p. 153. ¾ column.

The Water End of Pumps. M. & M., vol. 26, p. 469. 3 columns. I.

Determination of Size of Pump for Given Duty. Min. & Sci. Press, vol. 82, p. 132. Note.

Some Pumping Data. By T. L. Wilkinson. Min. & Sci. Press, vol. 83, p. 203. 1¾ columns.

Pump Calculations: Capacity, Slippage, etc. Min. & Sci. Press, vol. 85, p. 3. Note.

Calculations in Mine Pumping. Rept. Inspr. Mines, Pa., 1873, p. 62. 2 pages.

Pumping Problem: To Design a Pumping Plant to Handle Water from a Shaft Tapping Two Coal Seams. M. & M., vol. 27, p. 141. 1½ columns.

Calculating the Size of a Pump. By R. Lee. E. & M. J., vol. 82, p. 970. 1 column.

Proportions of Steam and Water Cylinders. P. C. M., vol. 4, p. 215. 2½ pages.

Pump Calculations: Size of Pumps and Engine — Reciprocating Types. P. C. M., vol. 4, p. 226. 2¼ pages.

Electrical Pump Calculations. P. C. M., vol. 4, p. 234. 3 pages. I.

Pump Tests, Efficiency, etc.

The Practical Results Obtained on Changing the Motive Power of an Underground Pump from Steam to Electricity. By H. P. Swann. T. I. M. E., vol. 22, p. 214. 4 pages.

Tests of a Pumping Engine. By H. B. Sturtevant. E. & M. J., vol. 62, p. 247. ½ column.

A Pump Record. M. & M., Sept., 1904, p. 69. I.

The Duty of Pumping Engines. By D. Baird. T. F. I. M. E., vol. 11, p. 94. 8 pages.

Pumping-Engine Velocity Diagrams. By D. Baird. T. F. I. M. E., vol. 9, p. 138. 4 pages. I.

EFFICIENCIES OF SOME PUMPING PLANTS ON THE MENOMINEE RANGE. By P. Larsson. T. L. S. M. I., vol. 3, p. 56. 8 pages.

SOME PUMPING DATA. E. & M. J., vol. 79, p. 947. 3½ columns.

EFFICIENCY OF STATION PUMPS. Min. & Sci. Press, vol. 93, p. 13. Note.

Pumps for Mine Use

IMPROVEMENTS IN THE VERTICAL-PLUNGER SINKING PUMP. By A. H. Hale. E. & M. J., vol. 84, p. 586. 7 columns. I.

THE RIEDLER PUMP. By H. D. D. Barman. T. I. M. E., vol. 25, p. 238. 10 pages. I.

THE RIEDLER EXPRESS PUMP. Engineering, London, vol. 73, p. 308. I.

A RIEDLER PUMPING PLANT FOR HYDRAULIC MINING IN ALASKA. E. & M. J., vol. 75, p. 374. 3½ columns. I.

PUMPS FOR PROSPECTORS AND SMALL MINES. By F. W. Van Ness. E. & M. J., July 8, 1899, p. 35. 1½ columns.

NORMANTON PUMPING AND HAULAGE PLANT. T. A. I. M. E., vol. 18, p. 422.

HYDRAULIC PUMPING: Plant on the Snake River, Idaho, for Power, Irrigation, and the Treatment of Gold Sands. By J. Birkinbine. T. A. I. M. E., vol. 30, p. 518.

A TRIPLE EXPANSION MINE PUMPING ENGINE. E. & M. J., vol. 65, p. 371. 2 columns. I.

PUMPING ENGINES. By J. Birkinbine. T. A. I. M. E., vol. 5, p. 455.

THE WORTHINGTON COMPOUND DUPLEX PRESSURE PUMP, AT THE BESSEMER WORKS OF THE ALBANY AND RENSSELAER IRON AND STEEL COMPANY, TROY, N. Y. By R. H. Hunt. T. A. I. M. E., vol. 4, p. 317.

AN UNDERGROUND PUMPING ENGINE AT A HUNGARIAN COLLIERY. By S. Stener. E. & M. J., vol. 68, p. 188. 2½ columns. I.

PUMPS FOR MINE USE. By H. A. Mather. Min. Mag., Dec., 1904, p. 391. 6 columns. I.

PUMPING PLANT FOR THE COMSTOCK LODE. M. & M., Jan., 1905, p. 296. ½ column.

PUMPING PLANT AT SHAFT No. 1, PRATT MINES, ALABAMA. T. A. I. M. E., vol. 19, p. 312 (plate III).

PUMPING PLANT OF THE DEBEERS AND KIMBERLEY MINES. Diamond Mines of South Africa, pp. 336, 337, 669.

THE RASELOWSKY PUMPING SYSTEM. By C. Francois. E. & M. J., Dec. 23, 1899, p. 759. 1½ columns. I.

WIRE ROPE DRIVEN TREBLE RAM PUMP FOR HIGH LIFTS. Feilden's Magazine (London), Aug., 1901.

PUMPING STATION OF THE C. AND C. SHAFT OF THE CONSOLIDATED CALIFORNIA AND VIRGINIA MINING COMPANY, VIRGINIA CITY, NEVADA. By L. M. Hall. M. & M., Nov., 1902, p. 159.

THE PUMPING ENGINE FOR THE SIERRA NEVADA, MEXICAN AND UNION SHAFTS. Min. & Sci. Press, vol. 39, p. 377. 1 column.

DEANE'S DOUBLE ACTING VERTICAL MINING PUMP. Min. & Sci. Press, vol. 38, p. 25. ½ column. I.

DEANE MINING PUMPS. Min. & Sci. Press, vol. 38, p. 33. 1 column. I.

UNDERGROUND HYDRAULIC PUMPS. Min. & Sci. Press, vol. 48, p. 269. ¾ column.

HYDRAULIC MACHINERY: Pumps. Min. & Sci. Press, vol. 45, p. 25. 1⅛ columns.

AN ENGLISH PUMPING PLANT FOR AN INCLINED SHAFT. E. & M. J., vol. 64, p. 279. 1 column. I.

A BELGIAN UNDERGROUND PUMPING PLANT. E. & M. J., vol. 64, p. 365. 1½ columns. I.

STEAM-PUMP, WITH FLY-WHEEL AND ACCUMULATOR. T. A. I. M. E., vol. 21, p. 323.

The Principal Pumping-Engine at Llaubradach Colliery. By W. Galloway. T. F. I. M. E., vol. 12, p. 294. 8 pages. I.

Savary's Steam Pump: The First Steam Pump and How it was Used in Lifts. M. & M., vol. 19, p. 184. 1⅔ columns. I.

Notes on a Winding and Pumping Plant Driven by an Oil Engine. By L. Parker. T. I. M. & M., vol. 9, p. 425. 7 pages.

Old Pumping Plants in England: 1. The Newcomen Engine; 2. Atmospheric Pumping Engine. Engineering, London, vol. 76, pp. 582, 611, etc.

The Klein High-Speed Pumps. Engineering, London, vol. 74, p. 670. ⅔ column. I.

Mining Pumps. By C. E. Morgan. J. C. M. I., vol. 3, p. 145. 4 pages.

Pumping Plant at the Miike Collieries, Japan. Engineering, London, vol. 77, p. 151. 1 column. I.

Pumping Appliances at Eltringham Colliery. By J. K. Guthrie. T. F. I. M. E., vol. 2, p. 457. 10 pages.

On the Parker and Weston Pump for Colliery Purposes. By G. B. Walker. T. F. I. M. E., vol. 2, p. 11. 5 pages.

A New Pit Pump. By R. Thompson. T. F. I. M. E., vol. 6, p. 534. 4 pages. I.

Pumps for Mine Service. M. & M., vol. 21, p. 283. 2½ columns. I.

The Pioneer Mine Pumping Engines. By H. B. Sturtevant. T. L. S. M. I., vol. 4, p. 84. 3 pages.

The New Pumping Plant of the Stirling Iron and Zinc Company, New Jersey. By J. P. Channing. T. L. S. M. I., vol. 3, p. 64. 5 pages.

Corliss Cross-Compound Pumping Engines in Penobscot Mine. By J. A. Redfern. T. L. S. M. I., vol. 7, p. 83. 5 pages. I.

Pumps and Pumping in South Africa: Cornish Pumps; Steam Pumps; Force Pumps. The Witwatersrand Gold-Fields, pp. 275, 283, 284.

A Gas Engine Driven Direct Pressure Pumping Plant, with Some Experiments on Pump Valve Area. By D. W. Mead. J. W. Soc. E., vol. 7, p. 20. 16 pages. I.

American Pumping Engines. By J. Barr. Engineering, London, vol. 79, p. 132. 6 columns. I.

Pumping Machinery. By E. D. Leavitt. E. & M. J., vol. 39, p. 72, 3½ columns; p. 89, 3½ columns, I.; p. 107, 2 columns.

The Kley Pumping Engine. E. & M. J., vol. 35, p. 116. 4 columns. I.

The Roux Hydraulic Pump. E. & M. J., vol. 37, p. 275. ⅓ column. I.

Pumping Machinery. By J. F. Holloway. Coll. Eng., vol. 10, p. 217. 6¾ columns; p. 256, 10 columns, I.

Drainage and Pumping Machinery. 2d Geol. Survey Pa. A. C., p. 293. 14 pages.

The Pumping Engine at the Bindeveide Mine, Germany. E. & M. J., vol. 36, p. 338, I.; p. 356, I.

Winding and Pumping Machinery. By H. Green. Coll. Engr., vol. 10, p. 96. 4⅓ columns.

Power Regenerators for Pumping Engines. E. & M. J., vol. 38, p. 281. 2 columns.

Wire Rope Transmission for Pumping. E. & M. J., vol. 38, p. 91. Note.

Pumping and Pumping Appliances in England. E. & M. J., vol. 24, p. 150, ½ column; p. 168, 2 columns; p. 221, 2 columns.

Recent Improvement in Pumping Engines for Mines. By H. Davey. T. N. S. I. M. & M. E., vol. 2, p. 32. 10 pages. I.

Pumps and Pumping on the Rand. Witwatersrand Gold-Fields, p. 271. 14 pages. I.

List and Description of Pumps on the Comstock Lode. Min. & Sci. Press, vol. 90, p. 74. ¼ column.

Hydraulic Experiments on a Plunger Pump. By John Goodman. Engineering, London, vol. 75, pp. 292, 494. I.

Hydraulically Balanced Ashley Pump. Engineering, London, vol. 73, p. 643. 6 columns. I.

Hydraulic Pumping Machinery. By Fr. Froelich. Engineering, London, vol. 72, p. 787. 6 columns. I.

Water-Balance Pump. T. A. I. M. E., vol. 7, p. 424.

The Savage River Pumping Plant. By L. B. Abbott. E. & M. J., vol. 82, p. 590. 6½ columns. I.

Pumping Machinery Underground. P. C. M., vol. 4, p. 200. 49 pages. I.

An Emergency Pumping-Plant at Cannock Chase Colliery. By S. F. Sopwith. T. I. M. E., vol. 35, p. 190. 8 pages. I.

Pumps and Pumping Machinery. By G. A. F. Ahlberg. P. E. Soc. W. Pa., vol. 19, p. 847. 20 pages. I.

Scotching Bars and Girders for Supporting Pumps. Mech. Eng. Coll., vol. 1, p. 62.

Pumping on the Comstock. By C. G. P. de Laval. E. & M. J., Mar. 16, 1905, p. 516. 7 columns. I.

Pumping in the Iron Mines of Northern Minnesota. T. A. I. M. E., vol. 27, pp. 349, 350, 365.

Handling Water for a Placer Mine. M. & M., Oct., 1901, p. 117.

Hauling and Pumping Underground by an Oil-Engine. By W. Smith. T. I. M. E., vol. 18, p. 396. I.

The Baxter System of Draining Mines. (Pumping.) E. & M. J., vol. 34, p. 187. ½ column. I.

Pumps for Mine Service. M. & M., vol. 21, p. 283. 2 columns. I.

Pumps in Hydraulic Mining. Min. & Sci. Press, vol. 25, p. 177. 1 column. I.

Sketch Diagram, Showing Location of Pumps Relative to the Sutro Tunnel and Present Water-Level in the Mine. Machinery, vol. 12, p. 513, June, 1906. I.

Leadville Pumping Practice. By A. W. Warwick. Min. & Sci. Press, vol. 82, p. 271, 3⅓ columns, I.; p. 282, 2 columns.

Coolgardie, Australia, Pumping System. Min. & Sci. Press, vol. 90, p. 120. 6 columns. I.

The Pump in Placer Mining. By J. A. Yeatman. Min. & Sci. Press, vol. 88, p. 226. 3 columns.

Pumping in Copper Mines at Bisbee, Ariz. M. & M., vol. 27, p. 292. Note.

Pumping in Wisconsin Zinc Fields. E. & M. J., vol. 81, p. 1234. 1 column.

Pumping Methods at Pachuca, Mexico. Min. & Sci. Press, vol. 93, p. 568. 2 columns.

The Unwatering of the Achddu Colliery, with a Description of the Riedler Express Pump. By J. Morris. T. I. M. E., vol. 30, p. 131. 13 pages. I.

Alternate Schemes of Pumping and Supplying Water by Gravitation for the Use of Collieries. By Wm. Watts. T. I. M. E., vol. 31, p. 682. 13 pages.

Rotary Pumps

The Goodwin Pump. Min. & Sci. Press, vol. 25, p. 65. 1½ columns. I.

The Bridgeport Wheel Pumps. By O. Guthrie. J. W. Soc. E., vol. 6, p. 73. 4½ pages. I.

Turbine Pumps in American Mines. E. & M. J., vol. 82, p. 1023. Note.

High Pressure Rotary Pumps. By J. Richards. Min. & Sci. Press, vol. 82, p. 38. 2¾ columns. I.

The Fan Pump. By F. C. Hooper. Sch. Mines Quart., vol. 19, p. 194. 4 pages. I.

The Johnson Rotary Pump. E. & M. J., vol. 67, p. 561. ½ column. I.

Turbine Pumps in the Anthracite Coal Field. E. & M. J., vol. 80, p. 687. 3 columns. I.

Centrifugal and Turbine Pumps. P. C. M., vol. 4, p. 237. 7 pages. I.

Centrifugal Pumps. By R. C. Williams. E. & M. J., vol. 83, p. 331. 9 columns. I.

Centrifugal Pumps. By R. C. Williams. E. & M. J., vol. 82, p. 545. 2 columns. I.

Centrifugal Pumps. Min. & Sci. Press, vol. 93, p. 393. 2 columns. I.

A High-Head Centrifugal Pump. M. & M., vol. 27, p. 303. ⅓ column.

The Use of Centrifugal Pumps. By R. C. Williams. M. & M., vol. 27, p. 122. 2½ columns. I.

A Quadruple Horizontal Pump (Centrifugal). Min. & Sci. Press, vol. 86, p. 73, ½ column, I.; p. 86.

The Development of High-Pressure Centrifugal Pumps. By J. Richards. Min. & Sci. Press, vol. 86, p. 117. 2 columns. I.

Mine-Pumping Plant with Electrically-Driven Centrifugal Pumps. Min. & Sci. Press, vol. 84, p. 75. 3 columns. I.

Centrifugal Single Suction Pump. Min. & Sci. Press, vol. 78, p. 397. I.

Centrifugal Pumps: Fixed and Movable. Min. & Sci. Press, vol. 34, p. 369. 2 columns. I.

On the Theory of the Centrifugal Pump. By R. Escher. E. & M. J., vol. 24, p. 147. ½ column.

The Helical (Centrifugal) Pump. By J. Imray. E. & M. J., vol. 18, p. 386. ½ column.

Compound Centrifugal Pumps. By W. Frecheville. E. & M. J., vol. 80, p. 832. 1½ columns.

Centrifugal Pumps: Height of Lift. E. & M. J., vol. 73, p. 732. ½ column.

High-Lift Centrifugal Pumps. By C. W. Darley. Engineering, London, vol. 76, p. 32, 2¾ columns; vol. 77, p. 887, 1 column.

Efficiency of Centrifugal Pumps. Engineering, London; vol. 76, p. 719. 7 columns; p. 745, 8 columns.

A Large Centrifugal Pump and Engine. E. & M. J., vol. 60, p. 469. 1½ columns. I.

Centrifugal Pumps and Draining Machinery: Historical. Min. & Sci. Press, vol. 53, p. 198, 1⅞ columns; p. 217, 3½ columns, I.; p. 233, ¾ column, I.; p. 297, 2⅓ columns, I.

The Efficiency of Centrifugal Pumps. Min. & Sci. Press, vol. 50, p. 217. 3 columns. I.

Ten Million Gallon Horizontal Centrifugal Pump. Min. & Sci. Press, vol. 45, p. 1. 1½ columns. I.

Wear of Centrifugal Pump Parts, Prevention of. E. & M. J., vol. 81, p. 320. 2 columns. I.

The Sulzer Centrifugal Pump. Min. Mag., vol. 13, p. 192. 4 columns. I.

Centrifugal Pumps for Mine Work: Service for which they are Adapted and Methods and Principles of Construction. By W. R. Crane. M. & M., June, 1902, p. 490. 6 columns. I.

The Spiral Sand Pump (Frenier's). E. & M. J., vol. 65, p. 553. ¾ column. I.

Tailing Wheel. Min. & Sci. Press, vol. 94, p. 632. ¼ column. I.

Results in the Use of a Rotary Pump as Against Straight Line Type. By C. Fergie. J. C. M. I., vol. 3, p. 128. 2 pages.

Chinese or Endless Belt Pump. Univ. Geol. Surv. of Kansas, vol. 8, p. 303. 2 pages. I.

Cornish Pumps

Cornish Pumps as Used in the Joplin Region: Lead and Zinc. Univ. Geol. Survey of Kansas, vol. 8, p. 305. 7½ pages. I.

Deep-Mine Pumping without Pump Rods. Min. & Sci. Press, vol. 37, p. 369. 2½ columns. I.

Pumping from the Surface. P. C. M., vol. 3, p. 180, 13 pages, I.; vol. 4, p. 193, 8 pages.

Cornish Pumping at the Davis Pyrites Mine, Massachusetts. E. & M. J., vol. 82, p. 725. 6 columns. I.

A Rod (or Cornish) Sinking Pump. T. A. I. M. E., vol. 26, p. 335.

The "Neosho" Cross-Head Cornish Pump. Min. & Sci. Press, vol. 92, p. 87. 2 columns. I.

Cornish Pumps on the Rand. Witwatersrand Gold Fields, p. 275. 10 pages. I.

Cornish Pumps. Min. & Sci. Press, vol. 85, p. 101. ¾ column.

Cornish and Direct Acting Duplex Pumps. By J. Renshaw. Min. & Sci. Press, vol. 82, p. 71. 1½ columns.

Cornish Pumps in the Wisconsin Zinc District: Table of Data. E. & M. J., vol. 81, p. 1234. 1 column.

The Cornish Pumping Engine: An Imperative Necessity for Deep Mining. Min. & Sci. Press, vol. 16, p. 258. 2⅔ columns.

Cornish Pump Calculation for Capacity of Two Million Gallons per Day. Coll. Engr. & Met. Miner, vol. 14, p. 271. ½ column.

Cornish Pumping-Engines. By W. M. Henderson. E. & M. J., vol. 8, p. 98. 2 columns.

On the Duty of Cornish and Other Pumping-Engines for Draining Mines. E. & M. J., vol. 10, p. 163. 2⅔ columns.

A Large Pumping Plant in Tasmania (Modern Cornish). E. & M. J., vol. 80, p. 155. 6 columns. I.

Overhanging Beam Pumping Engine. By J. G. Barclay. T. F. I. M. E., vol. 8, p. 397. 1 page. I.

Cornish Pumping Engine at the Waihi Mines, New Zealand. Engineering, London, vol. 77, p. 391. 2½ columns. I.

Deep-Well Pump-Rods, Experiences with. By G. W. Bissell. Engineering, London, vol. 68, p. 39. Note.

Rod-Pumps. M. & M., vol. 19, p. 379. 2 columns. I.

The Duty of Cornish Pumping-Engines, Past and Present, and as Compared with Others. By N. Trestrail. T. F. I. M. E., vol. 12, p. 548. 14 pages.

A Double-Acting Cornish Plunger Pump. E. & M. J., vol. 59, p. 295. ⅔ column. I.

An Under-Beam Compound Pumping Engine (Driving a Cornish Pump). Min. & Sci. Press, vol. 53, p. 357. ⅔ column. I.

Drainage of Mines: Reducing Weight of Cornish Pumping Engines. Min. & Sci. Press, vol. 70, p. 166. 1⅓ columns.

Pump Engine and Bob of the Yellow Jacket Mine, Comstock. Min. & Sci. Press, vol. 36, p. 6. ½ column.

New Pumping Engine for Yellow Jacket Mine. Min. & Sci. Press, vol. 36, p. 136. 2⅔ columns.

Cornish Pumps at Waihi Gold Company's Mines, New Zealand: Size of Beam and Plunger Rods. Min. Mag., vol. 13, p. 17. Note.

Cornish Pumps: Their Construction and Method of Operation as Illustrated in the Galena-Joplin District. By W. R. Crane. M. & M., Aug., 1902, p. 15. 4 columns.

An Improved System of Cornish Pitwork. By E. Doggett. T. A. I. M. E., vol. 7, p. 415.

Moving-Pipe Cornish Pump and Ordinary Cornish Pump. T. A. I. M. E., vol. 7, pp. 414, 421.

The Thomson Double-Acting Mine Pump: A Cornish Pump without Rods. E. & M. J., vol. 65, p. 525. ⅔ column. I.

Large Pumping Plant at Tasmania Gold Mine: Cornish System. By F. C. Perkins. M. & M., vol. 26, p. 281. 3 columns.

Hand Pumps and Water Portage

Hand-Pumping in Mexico. Min. Mag., Aug., 1904, p. 102.

A German Hand Pump. E. & M. J., vol. 67, p. 202. ½ column. I.

Hand-Operated Rod Pumps, Kirghiz Steppes. E. & M. J., vol. 76, p. 771. I.

Carrying Water Out of Mines in Sacks. Min. & Sci. Press, vol. 44, p. 9. I.

Hydraulic Pumps

Hydraulic Pumps on the Comstock. Min. & Sci. Press, vol. 41, p. 114. ½ column.

Hydraulic Pumping Machinery. By Fr. Froelich. Engineering, London, vol. 72, p. 787. 6 columns. I.

Hydraulic Experiments on a Plunger Pump. By John Goodman. Engineering, London, vol. 75, p. 292, 10 columns, I.; p. 494, 1½ columns.

The Hydraulic System of Drainage of the Comstock Lode. Min. & Sci. Press, vol. 33, p. 432. 3 columns. I.

The Hydraulic System of Draining Mines (on the Comstock). Min. & Sci. Press, vol. 43, p. 249. 4½ columns. I.

Description of Hydraulic Pumps on the Comstock Lode. By J. Moore. Trans. Inst. Engrs. & Shipbuilders in Scotland, 1881 and 1882.

An Hydraulic Gravel Elevator. T. A. I. M. E., vol. 25, p. 737.

Hydraulic Ejectors (Jet Pumps). Min. & Sci. Press, vol. 67, p. 359. 2 columns. I.

Jet Pumps for Chemical and Physical Laboratories. By R. H. Richards. T. A. I. M. E., vol. 6, p. 492.

Knight Hydraulic Pumping Engine. Min. & Sci. Press, vol. 55, p. 229. ⅔ column. I.

An Improved System of Water-Supply for Hydraulic Mining. By H. D. Pearsall. T. A. I. M. E., vol. 16, p. 602.

A Compound-Plunger Hydraulic Pump. By E. R. Woakes. T. A. I. M. E., vol. 20, p. 108.

The Brown Hydraulic System for Underground Pumping and Haulage. By W. F. Lang. T. F. I. M. E., vol. 14, p. 47. 10 pages. I.

Joseph Moore's Hydraulic Pumping Arrangements. By R. T. Moore. T. F. I. M. E., vol. 4, p. 331. 12 pages.

Pumping Engines with "Hydraulic Rods." By H. Pfaehler. E. & M. J., vol. 20, p. 284. 1 column.

On a New Water-Pressure Pumping Engine at Clausthal. Min. & Sci. Press, vol. 33, p. 354. ¾ column.

The Rife Hydraulic Ram. E. & M. J., vol. 82, p. 547. 1 column. I.

Hydraulic Pumping. P. C. M., vol. 4, p. 243. 2½ pages. I.

Hydraulic Pumping-Installation at Loan-Head Colliery, Near Edinburgh. By R. Crawford. T. I. M. E., vol. 30, p. 64. 9 pages. I.

Syphons in Mines

Syphons for Mine Drainage. E. & M. J., vol. 82, p. 19. Note.

Siphons in Mine Drainage. P. C. M., vol. 4, p. 246. 2½ pages. I.

The Use of the Syphon in Mines. Min. & Sci. Press, vol. 13, p. 136, 2¼ columns, I.; p. 178, 1¾ columns, I.

Gwynne's Drainage Syphon. Min. & Sci. Press, vol. 23, p. 225. 1½ columns. I.

Can a Syphon Have Too Much Fall? M. & M., vol. 20, p. 474. 2 columns. I.

Syphon Difficulties. M. & M., Sept., 1901, p. 65. ⅙ column.

Compressed Air Pumping

Test of Air-Lift Pumping Plant. Min. & Sci. Press, Feb. 11, 1905, p. 85.

A System of Displacement: Pumping Water with Air. Min. & Sci. Press, vol. 69, p. 356. ½ column.

Application of the Air-Lift System of Pumping at the Florence Mine. M. & M., July, 1902, p. 542.

Pohle Air Lift Pump. Min. & Sci. Press, vol. 70, p. 294. ½ column. I.

Pohle's Air-Lift Pump: Details of Sizes, etc. Min. & Sci. Press, vol. 60, p. 161, 1 column, I.; p. 168, 1 column.

Analysis of an Air-Lift Pump. Min. & Sci. Press, vol. 60, p. 336. 1 column.

A 300-Foot Air-Lift Well Plant at the Scranton Cold Storage Warehouse. M. & M., May, 1905, p. 494. ⅓ column.

A Practical Air Lift. M. & M., May, 1905, p. 494. 1 column. I.

Bacon Air-Lift Pump. T. I. M. E., vol. 17, p. 584. 2 pages. I.

Compressed Air Pumping: A Skilful Device for Raising Water to any Height by the Direct Application of Compressed Air. M. & M., vol. 19, p. 381. 2 columns. I.

Pumping with Compressed Air. By H. S. Poole. T. F. C. M. I., vol. 1, p. 56. 1½ pages.

The Raising of Water by Compressed Air. By P. Griffith. Engineering, London, vol. 76, pp. 33, 675, 809; vol. 77, pp. 25, 58, 135, 192, 223, 266, 502.

The Halsey Pneumatic Pump. By C. Fergie. T. F. C. M. I., vol. 3, p. 142. 3 pages.

The Harris System of Pumping by Compressed Air, as Applied at the Deloro Mine. By J. P. Kirkgaard. J. C. M. I., vol. 5, p. 265. 9 pages. I.

Pohle's Air-Lift Pump. By C. A. Stetefeldt. E. & M. J., vol. 48, p. 566. 2 columns. I.

Improved Pneumatic Pump. Am. Jour. Min., vol. 7, p. 81. 1 column. I.

Test of Air Lift Pumping Plant. Min. & Sci. Press, vol. 90, p. 85. ¼ column.

Water Supply by Compressed Air at Los Angeles, California. Min. & Sci. Press, vol. 90, p. 168. ⅔ column.

The Pneumatic Pumping System at Cambria, Wyoming. Min. & Sci. Press, vol. 86, p. 51. Note.

Lifting Water by Compressed Air. Min. & Sci. Press, vol. 87, p. 165. 2 columns.

Raising Water by Air and Otherwise. By C. Isler. Well-Boring, p. 174.

A Return-Air Pumping System. Min. & Sci. Press, vol. 93, p. 481. ¼ column.

Pumping with Compressed Air. Coll. Engr. & Met. Miner, vol. 14, p. 311. 6 columns. I.

Compressed-Air Pump with Water-Heated Reheater. By L. C. Bayles. E. & M. J., vol. 81, p. 747. 2 columns. I.

Pumping by Compressed Air. Min. & Sci. Press, vol. 77, p. 608. 4 columns. I.

Compressed Air Pumping. E. & M. J., vol. 67, p. 267. 1¾ columns. I.

The Starrett Air-Lift Pump. E. & M. J., vol. 83, p. 611. 4 columns. I.

Air-Lift Pumping. T. I. M. E., vol. 33, p. 492. 5 pages. I.

An Ingenious Air-Lift Pump. E. & M. J., vol. 78, p. 990. 1½ columns. I.

Compressed Air for Operating Pumps: Systems. Min. & Sci. Press, vol. 84, p. 64. 1½ columns.

Compressed Air for Pumping Plants: Quantity of Air Necessary. Min. & Sci. Press, vol. 84, p. 323. ⅔ column. Table.

Pumping with Compressed Air. M. & M., vol. 21, p. 266. ½ column.

Gruber's Apparatus for Raising Water by Pneumatic Pressure. E. & M. J., vol. 6, p. 161. 1½ columns. I.

The Raising of Water by Compressed Air. By P. Griffith. Engineering, London, vol. 76, p. 33, 1¾ columns; p. 675 (W. H. Maxwell), 7¾ columns, I.; p. 809, 1 column; vol. 77, p. 25, ¼ column; p. 58, 1½ columns; p. 135, ½ column; p. 192, ½ column; p. 223, ½ column; p. 266, ⅔ column; p. 502, ¾ column.

Pumping with Compressed Air. By H. S. Poole. T. F. C. M. I., vol. 1, p. 56. 1½ pages.

The Harris System of Pumping by Compressed Air, as Applied at the Deloro Mine. By J. P. Kirkgaard. J. C. M. I., vol. 5, p. 265. 9 pages. I.

The Harris System of Pumping with Compressed Air: Description of Apparatus and Principles Governing Its Operation; Adaptation, etc. By E. G. Harris. M. & M., May, 1905, p. 513. 3½ columns. I.

Compressed Air Pumping. E. & M. J., vol. 67, p. 267. 1¾ columns. I.

Compressed Air for Pumping. E. & M. J., Apr. 6, 1895, p. 314. 2 columns.

Natural Gas Pumping Plant at Hundred, West Virginia, by which Gas from Wells is Transmitted 90 Miles. By F. C. Weber. M. & M., vol. 25, p. 582. I.

Vacuum Pumps

Automatic Vacuum Pump. Min. & Sci. Press, vol. 23, p. 177. 1½ columns. I.

Direct Pressure Steam Pump Vacuum-Pump. E. & M. J., vol. 11, p. 127. 4 columns. I.

A Combined Vacuum-Pump and Table-Blow Pipe. By W. F. Durfee. T. A. I. M. E., vol. 13, p. 279.

The Emerson Vacuum Pump. M. & M., Jan., 1902, p. 286. 1 column.

Electrically-Driven Pumps

Electric Pumping at Collieries. By G. H. Hooghwinkel. T. I. M. E., vol. 29, p. 636. 18 pages. I.

Electric Pumping Plants: A Description of a Number of Electrically Driven Pumping Plants in Germany, England and America. By F. C. Perkins. M. & M., Feb., 1905, p. 327. 8½ columns. I.

Electrical Pumping Engines. By Baum. Gluckauf, Aug. 20, 27, Sept. 3, 1904.
Min. Mag., Oct.-Nov., 1904, p. 301. 1 column.

A French Electrically Operated Mine-Pumping Installation. By F. C. Perkins. Mining Reporter, Sept. 22, 1904.
Min. Mag., Oct.-Nov., 1904, p. 301. ½ column.

Electrical Pumping Plant. By F. C. Perkins. M. & M., Feb., 1903, p. 321.

The Aldrich Quintuplex Electric Pump. M. & M., May, 1903, p. 478.

Electrical Triplex Pump and Electrically Driven Centrifugal Pumps. Min. & Sci. Press, vol. 84, pp. 75, 245.

Electrically Driven Centrifugal Pumps. Min. & Sci. Press, vol. 81, p. 151.

Electric Sinking Pumps. Min. & Sci. Press, vol. 81, p. 89.

An Electric Pump: Description of a Three-throw, Double-Acting Plunger Pump Installed at the New Havillal Proprietory Gold Mine. By Harry Wilson. M. & M., Oct., 1901, p. 130.

Electric Pumping in Mines. Min. & Sci. Press, vol. 46, p. 392. ⅞ column.

Electric Pumping in Collieries. Min. & Sci. Press, vol. 56, p. 135. 3¼ columns.

Electricity for Mine Pumping. By W. Baxter, Jr. E. & M. J., vol. 61, p. 398. 1⅔ columns.

The South Staffordshire Mines: Drainage Scheme, with Special Regard to Electric-Power Pumping. By E. B. Marten and E. Howl. T. I. M. E., vol. 16, p. 268. 14 pages. I.

Electric Mine Pumping: A Comparison of the Relative Efficiences of Steam and Electric Pumps. By F. C. Whitmore. M. & M., vol. 18, p. 248. 5½ columns. I.

Electric Mine-Drainage Plant at the Düsseldorf Exhibition. Engineering, London, vol. 73, p. 438, ⅔ column, I.; and vol. 74, p. 57, 3 columns.

Notes on a Small Electric Pumping Plant. By M. Deacon. T. F. I. M. E., vol. 3, p. 191. 5 pages. I.

An Electric Pump for Underground Use. By E. Bainbridge. T. I. M. E., vol. 19, p. 346. 6 pages. I.

Electrical Pumping. Rept. Census Office, Mines & Quarries, 1902, chap. 3, p. 156. 6 columns. I.

Pumping by Electricity in Mines. E. & M. J., vol. 47, p. 545. 2 columns. I.

Electric Mine Pumps in Germany. E. & M. J., vol. 74, p. 107. ⅔ column.

Pumping in the Comstock Lode Mines: Kinds Used — Electrically Operated the Most Successful. By G. P. de Laval. M. & M., vol. 26, p. 78. 4 columns. I.

Possibilities and Limitations of Electric Pumping. By L. A. Hicks. Min. & Sci. Press, vol. 83, p. 154, 1 column; p. 164, 2¼ columns; p. 174, 1½ columns.

Electric Pumps and Pumping. By A. W. K. Pierce. Min. & Sci. Press, vol. 79, p. 121. 1 column.

Electrically Driven Colliery Pump. By A. Gradenwitz. E. & M. J., vol. 83, p. 479. 6 columns. I.

Advantages of Electrically Driven Pump for Underground Work. E. & M. J., vol. 84, p. 886. ⅔ column.

Electrically-Driven Centrifugal Pumping Plant at Tywarnhaile Mine. By W. R. Thomas. T. I. M. & M., vol. 16, p. 206. 24 pages.

Electric Mine Pumps. P. E. Soc. W. Pa., vol. 13, p. 175. 2½ pages.

Electrically Driven Pumping Machine. Engineering, London, vol. 73, p. 438. ⅔ column. I.

The Practical Results Obtained on Changing the Motive Power of an Underground Pump from Steam to Electricity. By H. P. Swann. T. I. M. E., vol. 22, p. 214. 4 pages.

Electrical Pumping in South Staffordshire, England. By W. H. Booth. M. & M., vol. 20, p. 134. 2¾ columns.

Bailing Water

Browne's Vacuum Bailing Tank. Min. & Sci. Press, vol. 79, p. 520. 1¾ columns. I.

M. & M., vol. 20, p. 229. 1½ columns. I.

E. & M. J., vol. 68, p. 551. 2 columns. I.

Bailing Water in the Rand Mines. T. I. M. & M., vol. 15, p. 355. 3 pages. I.

Water Skip with Automatic Discharge. By W. R. Francis. T. I. M. & M., vol. 16, p. 198. 1 page. I.

Water-Barrels. P. C. M., vol. 2, p. 181. 2 pages. I.

Unwatering by Means of an Inclined Skip. By D. Muir. E. & M. J., vol. 84, p. 728. 1¾ columns. I.

Use of Bailing Tanks in the Iron Mines of the Lake Superior Region. T. L. S. M. I., vol. 11, p. 147. ½ page.

Bailing Water. M. & M., vol. 26, p. 467. 2½ columns. I.

Bailing Tanks for Deep Level Shafts. M. & M., vol. 26, p. 473. I.

Tandem Tanks for Hoisting Water from Flooded Slopes. By J. H. Bowden. T. A. I. M. E., vol. 20, p. 343.

Water Hoisting in the Pennsylvania Anthracite Regions: Description of Plants and Figures as to Efficiency, Costs, etc. By R. V. Norris. M. & M., Apr., 1903, p. 392. 10 columns.

Water-Hoisting in Pennsylvania. By R. V. Norris. T. A. I. M. E., vol. 34, pp. 92, 923.

Appliances for Winding Water. By W. Galloway. T. F. I. M. E., vol. 13, p. 74. 16 pages. I.

Construction of Water-Tanks for Hoisting Water. T. F. I. M. E., vol. 13, plate 2. I.

Pneumatic Water Barrel for Winding Water. Mech. Eng. Coll., vol. 1, p. 46. I.

The Hampton Water-Hoist. E. & M. J., vol. 80, p. 1066, 4 columns; p. 588, 2 columns; vol. 79, p. 1042, 1 column.
M. & M., vol. 26, p. 205. 3 columns. I.

A Large Water-Hoist Engine. E. & M. J., vol. 77, p. 567. 1 column. I.

Hoisting Water in Tanks. By R. V. Norris. Cassier's Magazine, May, 1904, p. 48.

Balancing Bailers for Unwatering Mines. By W. Kelly. E. & M. J., vol. 69, p. 443. 1½ columns. I.

Tanks — Water. M. & M., Mar., 1903, p. 368. ¾ column.

Pumping and Bailing in the Butte Copper Mines. M. & M., vol. 21, p. 155. 1 column.

Unwatering Shafts

Tapping a Shaft: Letting the Water in Shaft on Comstock Lode. Min. & Sci. Press, vol. 30, p. 210. ⅔ column.

Mine Sinking Pumps. M. & M., vol. 19, p. 420. 2½ columns. I.

Handling Water in Shaft Sinking. By F. W. Parsons. E. & M. J., vol. 82, p. 161. ⅗ column.

Water in Deep Shafts: Methods of Removing while Sinking. M. & M., vol. 18, p. 35. 1¼ columns.

Removal of Water During Sinking. Coll. Engr. & Met. Miner, vol. 15, p. 164. 2⅔ columns. I.

Dealing with Water in Pits During Sinking and in Permanent Work. By J. B. Simpson. Engineering, London, vol. 63, p. 730. 1⅞ columns.

The Pumping Appliances Used in the Sinking Operations at the Cadehy New Winning. By W. H. Chambers. T. F. I. M. E., vol. 3, p. 513. 6 pages. I.

Arrangement for Suspending Steam Exhaust and Rising Main Pipes. Mech. Eng. Coll., vol. 1, p. 55. I.

"Deane" Sinking Pumps and Pulsometer for Sinking Shafts. Mech. Eng. Coll., vol. 1, p. 51. I.

Water in Deep Shafts. By H. Davey. Engineering, London, vol. 63, p. 729. 1½ columns.

Tapping and Running Off a Head of Water from a Shaft. By J. Fox. T. I. M. E., vol. 29, p. 217. 2 pages.

Cameron Sinking Pump, Davis Mine. E. & M. J., vol. 82, p. 775. I.

Drainage Tunnels

The Drainage Tunnel in Mining. Min. & Sci. Press, vol. 89, p. 203. 1 column.

Calculation of the Carrying Capacity of Open Channels, Tunnels, and Flumes by Eytelwein's General Formulæ. Min. & Sci. Press, vol. 76, p. 179. 1½ columns.

A Novel Drainage System at Reynoldsville, Pennsylvania. E. & M. J., vol. 55, p. 366. I.

The Great Jeddo Drainage Tunnel, Pennsylvania. E. & M. J., vol. 50, p. 689. ⅓ column.

The Drainage of the Comstock Lode. Min. & Sci. Press, vol. 33, p. 384, 5 columns, I.; p. 401, 3½ columns, I.; p. 416, 6 columns, I.; p. 432, 3¾ columns, I.

The Sutro Tunnel: Rate of Drainage During First 8 Hours. Min. & Sci. Press, vol. 39, p. 9. ½ column.

Drainage in the Newhouse Tunnel. M. & M., vol. 27, p. 37. ⅙ column.

The Great Adit Level in the Harz, Germany. E. & M. J., vol. 55, p. 80. ⅓ column.

The Cripple Creek, Colorado, Drainage Tunnel. By W. B. Wilson. Min. & Sci. Press, vol. 86, p. 36, 3 columns; p. 333, 1 column, I.; vol. 87, p. 130, ⅔ column, I.

The Drainage Adit for Cripple Creek. E. & M. J., vol. 75, p. 110. 1⅓ columns.

Drainage of the Cripple Creek District. By D. W. Brunton. E. & M. J., vol. 80, p. 818. 12 columns. I.

Pipes and Pipe Fitting

Cast-Iron Pipe: Table of Weight. Min. & Sci. Press, vol. 93, p. 118. Table.

Relative Carrying Capacity of Iron and Wood Pipes. E. & M. J., vol. 84, p. 452. Note.

Lifting a Vertical Rising Main (Pipe) by Expansion. By W. Howe. T. F. I. M. E., vol. 12, p. 105. 2 pages. I.

Carrying Capacity of Pipes, Discharge of Nozzles. Min. & Sci. Press, vol. 74, p. 344, 1½ columns; p. 365, 2⅓ columns; p. 388, 2 columns.

Flow of Water through Pipes Fed by Reservoirs. By S. Diescher. P. E. Soc. W. Pa., vol. 21, p. 58. 30 pages. I.

New Formula for the Flow in Sewers and Water Mains. By W. S. Crimp and C. E. Burges. J. W. Soc. E., vol. 1, p. 116. 2 pages. D.

Friction of Water in Pipes and Channels. Min. & Sci. Press, vol. 76, p. 179. Table.

Formulas for Flow of Water in Clean Cast Iron Pipes. Min. & Sci. Press, vol. 83, p. 132. 2 columns.

Expansion of Iron Pipe per One Degree Rise in Temperature. Min. & Sci. Press, vol. 82, p. 102. Note.

Calculating Pressure That Wrought Iron and Steel Pipes will Stand. Min. & Sci. Press, vol. 81, p. 580. Note.

Siphon Action of Discharge Pipes. Min. & Sci. Press, vol. 53, p. 106. 5 columns. I.

The Suction Pipe and Its Correct Size. Min. & Sci. Press, vol. 75, p. 196. 2 columns.

Diameter of Hydraulic Pipe. Min. & Sci. Press, vol. 37, p. 66. ¾ column.

Strength and Economy of Hydraulic Pipe. Min. & Sci. Press, vol. 18, p. 168. 1½ columns.

Conducting Capacity of Water Pipes Expressed in Miner's Inches. Min. & Sci. Press, vol. 19, p. 249. ⅔ column.

Size of Pipe Lines. E. & M. J., vol. 66, p. 612.

The Relative Strength of Wrought Iron and Steel Pipe. E. & M. J., vol. 65, p. 400. 1 column.

Compressive Strength per Square Inch, Metal-Area of Pipe 40 Feet Long. T. A. I. M. E., vol. 7, p. 427.

Formula for Calculating Thickness of Flanges for Column Pipes. T. A. I. M. E., vol. 7, p. 420.

To Calculate the Diameter of a Pipe for a Given Flow and Head. M. & M., Dec., 1901, p. 235.

The Manufacture of Welded Pipe. By V. Beutner. P. E. Soc. W. Pa., vol. 19, p. 796. 29 pages. I.

Notes on Some Failures in Sewer Pipes. By J. H. Parkin. J. W. Soc. E., vol. 1, p. 517. 18 pages. I.

A Modern Column-Pipe Cleaner. By T. Thomas. M. & M., vol. 28, p. 246. 1½ columns. I.

The Wood-Stave Pipe Line of the Madison River Power Company. By W. F. Belcher. E. & M. J., vol. 84, p. 345. 3¾ columns. I.

A Rifled Pipe Line for Conveying Oil. E. & M. J., vol. 84, p. 494. ½ column.

Wood-Stave Pipe. By A. Swickard. E. & M. J., vol. 83, p. 476. 4 columns.

A New Cast-Iron Pipe for Mining Use. E. & M. J., vol. 82, p. 1131. 1⅔ columns. I.

Wooden Pipes in Coal Mines. E. & M. J., vol. 82, p. 450. 1 column.

Underground Pipes and Reheating Air. Min. & Sci. Press, vol. 93, p. 14. ⅓ column.

Pipe Line Construction. E. & M. J., vol. 76, p. 541. 1 column.

The Bischoff Clinched Pipe. E. & M. J., vol. 69, p. 173. ¼ column. I.

Water Pipe Used in the Gold Fields of Western Australia: Size, Thickness, and Various Other Data. Gold Min. & Mill. W. Aus., Chap. 6, p. 139. 5 pages.

Laying Submerged Pipe Line. Eng.-Cont., vol. 27, p. 7. ⅓ column.

Method of Raising and Lowering Pipe in Trench. Eng.-Cont., vol. 27, p. 7. ⅔ column.

Methods Employed in Laying Three Submerged Pipe Lines. By F. S. Wardwell. Eng.-Cont., vol. 27, p. 101. 4 columns +.

Lowering Pipe Line with Water Jet. Eng.-Cont., vol. 27, p. 103. ⅓ column.

Laying Submerged Pipe Line. Eng.-Cont., vol. 27, p. 103. ½ column.

Large Water Pipes also Wood Stave Pipes. Min. & Sci. Press, vol. 89, p. 176. Note.

Clinched Steel Pipe. Min. & Sci. Press, vol. 80, p. 6. ⅛ column. I.

Petroleum Oil Pipe Lines. By A. S. Cooper. Min. & Sci. Press, vol. 82, p. 123. 3¼ columns. I.

Cement Casing for Oil Wells. Min. & Sci. Press, vol. 82, p. 124. 1 column.

Stave Pipes for Conveying Water. Min. & Sci. Press, vol. 90, p. 169. 1⅓ columns. I.

Stave-Pipe Line. Min. & Sci. Press, vol. 68, p. 359. I.

Coolgardie, Australia, Water Pipe Line. Min. & Sci. Press, vol. 80, p. 404. 3 columns. I.

The American Pipe Company's Pipe: Wyckoff Wooden Pipe. Min. & Sci. Press, vol. 36, p. 49. 2 columns. I.

Wooden Water Pipe. Min. & Sci. Press, vol. 27, p. 161. 1 column. I.

Pipes for Hydraulic Mining. Min. & Sci. Press, vol. 27, p. 376. 5 columns. I.

Iron Pipes for Hydraulic Mining. Min. & Sci. Press, vol. 30, p. 113. 1 column; p. 137, 1 column. I.

New Form of Spiral Pipe Line in California. E. & M. J., vol. 80, p. 653. Note.

Steam-Pipes for Collieries. By E. F. C. Davis. Coll. Engr., vol. 10, p. 127. ⅔ column.

Water Supply-Pipes and Nozzles. Placer Mining, Chap. 13, p. 87.

Cast Iron Pipes (Large) in France. E. & M. J., vol. 78, p. 136. Note.

Capacity of the Indian Territory Pipe Line, Leakage, etc. E. & M. J., vol. 80, p. 243. Note.

Pipes for Conveying Water. T. A. I. M. E., vol. 6, p. 66.

Description of a Method of Removing Deposits from the Inside of Rising Main Pipes in Shafts. By R. T. Swallow. T. F. I. M. E., vol. 3, p. 113. 6 pages. I.

A Method of Boring Deposits Out of Rising-Main Pipes in Shafts. By H. Ross. T. I. M. E., vol. 20, p. 218. 4 pages. I.

Potts' Labor-Saving Pipe Fittings. E. & M. J., vol. 51, p. 285. 1 column. I.

A New Device for Making Pipe Joints Tight. E. & M. J., vol. 59, p. 32. ½ column. I.

A New California Pipe Line. E. & M. J., vol. 78, p. 712. 2½ columns. I.

Making Pipe Joints. E. & M. J., vol. 77, p. 594. ½ column.

Tar Cement for Sewer Pipes: For Wet Work. Eng.-Cont., vol. 27, p. 24. ⅓ column.

Pipe Joints: For Hydraulic Pipe. Min. & Sci. Press, vol. 50, p. 393. ½ column. I.

Dillenburgh's Pipe-Coupling. Min. & Sci. Press, vol. 51, p. 161. 1 column. I.

Wrought Bends in Piping. By J. A. Miller. E. & M. J., vol. 81, p. 278. 1½ columns. I.

The Leland (Pipe) Coupler. Min. & Sci. Press, vol. 33, p. 281. ¾ column. I.

Steam and Water Joints. Coll. Engr., vol. 10, p. 139. 2½ columns.

Standardization of Extra-Heavy Flanges: Standard Sizes Given. M. & M., Jan., 1902, p. 246. 1¼ columns.

Standardization of Pipe Flanges and Flanged Fittings. By R. E. Atkinson. Engineering, London, vol. 73, p. 554, 11 columns, I.; p. 588, 6 columns.

Protection of Iron Pipes within and without. M. & M., vol. 27, p. 566. 2 columns. I.

Wrought Pipe: Threading and Relative Durability of Steel and Iron. By F. N. Speller. J. C. M. I., vol. 8, p. 46. 8½ pages.

Materials and Properties of Wrought Pipe. By F. N. Speller. P. E. Soc. W. Pa., vol. 22, p. 459. 22½ pages. I.

Protection of Water Pipe from Electrolysis. By E. B. Ellicott. J. W. Soc. E., vol. 6, p. 529. 21 pages. I.

Durability of Wooden Water Pipe. M. & M., vol. 27, p. 344. 2½ columns.

Steel vs. Cast Iron Water Pipes. E. & M. J., vol. 50, p. 361. ¼ column.

Life of Wooden Pipe Lines. E. & M. J., vol. 83, p. 667. Note.

Wood vs. Iron for Pipe Lines in Coal Mines. By J. H. Haertter. E. & M. J., vol. 84, p. 12. 12 columns.

Coal Tar as Pipe Covering. E. & M. J., vol. 82, p. 308. Note.

The Durability of Wood-Stave Pipe. E. & M. J., vol. 82, p. 912. 1 column.

Destruction of Lead Pipe by Worms. E. & M. J., vol. 52, p. 383. Note.

Iron and Steel Pipe. Min. & Sci. Press, vol. 82, p. 219. ¾ column.

Cast Iron vs. Steel Pipe. Min. & Sci. Press, vol. 72, p. 421. ½ column.

Lead Pipes Destroyed by Mortar and Cement. Min. & Sci. Press, vol. 42, p. 151. ½ column.

Corrosion of Brass and Bronze by Mine Water. By J. Jones. Min. Mag., vol. 13, p. 50.

Cost of Compressed Air Piping in Mines. E. & M. J., vol. 75, p. 331.

Protection of Metal Tubes from Acids, etc. M. & M., Mar., 1903, p. 347. ⅙ column.

Cost, Life, and Capacity of Conspicuous Types of Pressure Pipes. Columbia Engineer, '98–'99, p. 117. Table.

Ditches and Channels

Uniform Flow in Open Channel. By E. S. Bellasis. Engineering, London, vol. 63, p. 21. 2¼ columns. I.

Flumes for Conveying Water. T. A. I. M. E., vol. 6, p. 64.

Ditches for Conveying Water. T. A. I. M. E., vol. 6, p. 60.

The Chicago Main Drainage Channel. By J. F. Lewis. T. A. I. M. E., vol. 27, p. 288.

Water Supply: Ditches and Flumes. Placer Mining, p. 81.

Flume Construction: Poles and Boulders. Min. & Sci. Press, vol. 83, p. 151. Note.

Flume Construction. Min. & Sci. Press, vol. 76, p. 204. I.

Data Regarding Ditch Construction, Velocity of Flow, etc. Min. & Sci. Press, vol. 74, p. 325. 1½ columns.

Ditch Construction in Idaho. By A. J. Bowie. Min. & Sci. Press, vol. 74, p. 172. 4½ columns. I.

Specifications for Flume and Trestle. Min. & Sci. Press, vol. 74, p. 173. 1½ columns. I.

Flume Constructed on Poles. Min. & Sci. Press, vol. 74, p. 259. I.

Flume Constructed Entirely of Poles, Siberia. Min. & Sci. Press, vol. 74, p. 280. I.

Flume Construction in California. Min. & Sci. Press, vol. 86, p. 102. 1⅛ columns. I.

Wooden and Steel Flumes. Min. & Sci. Press, vol. 89, p. 176. ⅓ column.

Ditch Construction. Min. & Sci. Press, vol. 89, p. 21. 1 column + I.

Calculating the Grade of Ditches and Sluices. Tin Deposits of the World, p. 48. ½ page.

Detailed Construction of Channels and Flumes: Sheet Iron Flume. Notes on Water Supply in New Countries, plate 5. I.

Timber Sluice-Gate: Detailed Construction. Notes on Water Supply in New Countries, plate 6. I.

Iron Sluice-Gate. Notes on Water Supply in New Countries, plate 11. I.

Grades of Canals, Flumes and Tunnels. Notes on Water Supply in New Countries, p. 23. Notes.

Ditches for Gravel Mines. Min. & Sci. Press, vol. 30, p. 57, 1¼ columns; p. 108, 1 column.

Mining Ditches: Losses from Absorption, Leakage, Evaporation, etc. Min. & Sci. Press, vol. 60, p. 127. 2 columns. I.

Data Regarding Water in Flumes. Min. & Sci. Press, vol. 92, p. 101. Note.

Design of a Steel Water Flume. By H. G. Balcom. P. E. Soc. W. Pa., vol. 20, p. 500. 16½ pages. I.

High Pressure Sluice Gate. By M. O. Leighton. J. W. Soc. E., vol. 11, p. 381. 11 pages. I.

Pipes, Ditches, Flumes, etc., for Placer Mining. E. & M. J., vol. 19, p. 181; p. 221. I.

New Ditches in Butte, Montana. Min. & Sci. Press, vol. 23, p. 56. ⅓ column.

Mining Reservoirs and Ditches in California. Min. & Sci. Press, vol. 50, p. 364. 1 column.

Mining Ditches. Min. & Sci. Press, vol. 51, p. 180. ⅞ column.

A WATER DITCH WASTE GATE. Min. & Sci. Press, vol. 83, p. 153. 1¾ columns. I.

Valves, Valve-gear, Sumps, etc.

AUTOMATIC PUMP CUT-OFF. Min. & Sci. Press, vol. 91, p. 262. ½ column. I.

CRAIG'S AUTOMATIC SURFACE CONDENSING APPARATUS FOR STEAM PUMPING-ENGINES: Pipe within Pipe. E. & M. J., vol. 27, p. 89. 1 column. I.

THE MURPHY AUTOMATIC PUMP CUT-OFF. M. & M., vol. 26, p. 151. 1 column. I.

WOODEN PACKING RINGS FOR MINE PUMPS. E. & M. J., vol. 68, p. 367. Note. I.

PUMPS WITH INTERNALLY OPERATED VALVES. M. & M., Feb., 1905, p. 355. 1½ columns. I.

DESIGNS FOR PUMP-VALVES. By H. Wormald. T. F. I. M. E., vol. 9, p. 145. 5 pages. I.

VALVES FOR CORNISH PUMPS: Clack and Working Valves. Univ. Geol. Survey of Kans., vol. 8, p. 307, also 310, 312. 3 pages. I.

GASKILL PUMP VALVE. E. & M. J., vol. 41, p. 285. I.

"HYDRAULIC METAL": Acid Water Metal. E. & M. J., vol. 82, p. 1024. Note.

LEAD LINING OF MINE PUMPS. M. & M., Jan., 1902, p. 270. ¾ column. I.

SUMPS AND LODGES IN SHAFTS. The Witwatersrand Gold-Fields, p. 188.

LEVEL SUMPS IN THE OLD MEXICAN MINES. Min. & Sci. Press, vol. 45, p. 166.

Miscellaneous

A GAS PUMP FOR HOT GASES. By C. T. Rice. E. & M. J., vol. 82, p. 1059. 1 column. I.

PUMPING JACK FOR OIL PUMPING. E. & M. J., vol. 61, p. 87.

TO PUMP COAL. Min. & Sci. Press, vol. 70, p. 331. 1¼ columns.

PUMPING TAR AND OTHER HEAVY LIQUIDS. M. & M., Jan., 1905, p. 308. 1 column.

KARN'S OIL WELL PUMP. E. & M. J., vol. 65, p. 254. Note. I.

See COMPRESSED AIR PUMPING for further information on PUMPING AND DRAINAGE.

DRILLING AND BORING

Hand Drills

THE NIXON RATCHET MINING DRILL AND SUPPORT. M. & M., Sept., 1903, p. 73. 1½ columns. I.

COMPARISON OF MACHINE AND HAND DRILLING IN SINKING. The Witwatersrand Gold-Fields, p. 193. 4 pages.

THE "DRILLIBITE" HAND ROCK-DRILL. Engineering, London, vol. 77, p. 169. 2½ columns. I.

USE OF RATCHET AND OTHER HAND-MACHINE DRILLS IN THE CLEVELAND MINES. By W. Charleton. T. I. M. E., vol. 24, p. 526. 12 pages. I.

THE STERLING-MOREAN HAND ROCK DRILL. E. & M. J., vol. 56, p. 31. I.

THE DIXON HAND-POWER ROCK DRILL. E. & M. J., vol. 65, p. 525. 1 column. I.

THE DIXON HAND DRILL. E. & M. J., vol. 59, p. 153. 2 columns.

THE JACKSON HAND-POWER ROCK DRILL. E. & M. J., vol. 65, p. 435. ¼ column. I.

A GERMAN HAND DRILL. E. & M. J., vol. 66, p. 609. I.

THE WORK DONE IN HAMMERING. E. & M. J., vol. 65, p. 584. ½ column.

The Elmore Hand Rock Drill. E. & M. J., vol. 67, p. 499. ½ column. I.

A Convenient Drill Standard (Hand Drill). E. & M. J., vol. 67, p. 202. ⅓ column. I.

The Le Grand Mine Drill. M. & M., Dec., 1901, p. 219. ¾ column.

The Hand-Hammer Drills. E. & M. J., vol. 80, p. 450. 1⅔ columns.

New Hand-Power Rock Drill. Min. & Sci. Press, vol. 35, p. 97. 1 column. I.

The Cyclone Mine Drill (Hand). Coll. Engr., vol. 13, p. 64. ½ column. I.

Hand-Drilling. Min. & Sci. Press, vol. 57, p. 93. 1 column. I.

First Machine Drills Used in United States. Min. & Sci. Press, vol. 87, p. 19. Note.

Methods of Hand-Drilling. By W. R. Hulbert. Min. & Sci. Press, vol. 92, p. 310. 1¼ columns.

Hand-Drilling. P. C. M., vol. 2, p. 243. 4 pages. I.

Hand vs. Machine Drilling. J. M. Soc. N. S., vol. 3, p. 55. 5½ pages.

Hand and Machine Bits Used at Butte, Montana. M. & M., vol. 21, p. 157. I. Tables.

Victor Rock Drill (Hand). Min. & Sci. Press, vol. 43, p. 227. ½ column.

The Hand Auger and Drill in Prospecting Work. By C. Catlett. E. & M. J., vol. 64, p. 94. 1 column.

The Hand-Auger and Hand-Drill in Prospecting Work. By C. Catlett. T. A. I. M. E., vol. 27, p. 123.

A Hand Rock-Boring Auger. Min. & Sci. Press, vol. 29, p. 216. ⅔ column.

Pod and Sand Augers. Min. & Sci. Press, vol. 37, p. 305. I.

Well-Boring Machinery: Pod-Augers. Min. & Sci. Press, vol. 38, p. 73. 1¼ columns. I.

Machine or Power Drills

The Rock-Drill Applied to Opening the Tapping-Hole of a Blast-Furnace. By D. Barker. T. A. I. M. E., vol. 21, p. 588.

Rock-Drill Tests. E. & M. J., vol. 77, p. 768. 2½ columns.

A New Rock Drill. By F. A. Halsey. E. & M. J., vol. 38, p. 346. 1½ columns. I.

The Reynolds Rock Drill. E. & M. J., vol. 19, p. 472. ½ column. I.

Burleigh's Pneumatic Rock-Drill. E. & M. J., vol. 8, p. 129. 1 column. I.

Patent "Buffalo" Carriage for Burleigh Drills. Min. & Sci. Press, vol. 29, p. 49. 1 column. I.

The Burleigh Rock Drill and Air Compressor. E. & M. J., vol. 13, p. 209. 2⅔ columns. I.

Phillips' Improved Rock Drilling Machine. Min. & Sci. Press, vol. 18, p. 193. 2½ columns. I.

The Buckminster Rock Drill. Min. & Sci. Press, vol. 32, p. 273. 2 columns. I.

The Richmann Drill. Min. & Sci. Press, vol. 41, p. 409. 3½ columns. I.

An Improved Carriage for Pneumatic Drills in Mining. Min. & Sci. Press, vol. 50, p. 105. 4 columns. I.

Machine and Hand Drills in Mines: Comparison of Work. Min. & Sci. Press, vol. 53, p. 377. ½ column.

Power Drills. Min. & Sci. Press, vol. 85, p. 88. ¾ column.

Machine Mine Rock Drills on the Pacific Coast. By A. E. Chodzko. Min. & Sci. Press, vol. 81, p. 432; 2¾ columns; p. 468, 1 column, p. 496, 3½ columns, I.; p. 505, 2½ columns, I.; p. 518, 3½ columns, I.; and vol. 87, p. 267, 2⅓ columns, I.

The Machine Drill in Mining. Min. & Sci. Press, vol. 91, pp. 38, 57, 76. 3⅔ columns.

The Torpedo Drill (Machine). Min. & Sci. Press, vol. 87, p. 69. ¾ columns. I.

Machine Drilling in Stopes. Min. & Sci. Press, vol. 86, p. 181, 1½ columns, I.; and p. 245, 2 columns.

Machine vs. Hand Drilling: Costs. Min. & Sci. Press, vol. 88, p. 423. 1½ columns.

Mining with Machine Drills. By E. L. Le Fevre. Min. & Sci. Press, vol. 87, p. 26. 2 columns.

Hand vs. Machine Drilling. Min. & Sci. Press, vol. 87, p. 37. Note.

Mining with Machine Drills. Min. & Sci. Press, vol. 87, p. 37. 2 columns.

Machine Drills Used in the Rand Mines. The Witwatersrand Gold-Fields, p. 375. 15 pages. I.

Work Done with Burleigh Drills. E. & M. J., vol. 19, p. 248, ⅓ column; and vol. 18, p. 245, 1 column.

The New Haupt Rock Drill. E. & M. J., vol. 6, p. 250. ⅔ column.

The Burleigh Drill in the California Gravel Mines. Min. & Sci. Press, vol. 28, p. 134. ⅓ column.

Directions for Working Rock-Drills. Min. & Sci. Press, vol. 93, p. 349. 1½ columns.

Small Machine Drills, Advantages of. Min. & Sci. Press, vol. 92, p. 3. ⅓ column.

Machine and Hand Drilling. Min. & Sci. Press, vol. 93, p. 321. Note.

Large vs. Small Machine-Drills. Min. & Sci. Press, vol. 93, p. 5. 2⅓ columns.

Drilling Hard Ground. E. & M. J., vol. 82, p. 780. 2 columns.

Machine vs. Hand Drilling in England. E. & M. J., vol. 82, p. 977. Note.

The Comparative Merits of Air and Electric Drills. By C. E. Palmer. E. & M. J., vol. 82, p. 289. 2 columns.

Air Drills vs. Electric Drills. E. & M. J., vol. 82, p. 503. 2¾ columns.

Drilling Practice in the Lake Superior Copper Mines. By W. R. Crane. E. & M. J., vol. 82, p. 438. 5 columns. I.

The Relative Merits of Large and Small Drilling-Machines in Development Work. By F. T. Williams. T. A. I. M. E., vol. 37, p. 85. 7 pages. I.

The Brandt Hydraulic Drill. T. I. M. E., vol. 26, p. 408. 9½ pages. I.

Multiple Arrangements of Drills on the Rand. By E. Nichols. E. & M. J., vol. 84, p. 589. 2½ columns.

A Miner's Drills and His Work with Them. By M. W. Alderson. Min. & Sci. Press, vol. 94, p. 284. 1½ columns.

Application of Water in Rock Drilling. Min. & Sci. Press, vol. 87, p. 152. 1 column. I.

Maintenance of Rock Drills. Min. & Sci. Press, vol. 89, p. 422. 1 column.

Rock Drilling. By W. W. Word. Min. & Sci. Press, vol. 90, p. 100. ⅔ column.

Machine vs. Hand Work in Mines. M. & M., vol. 27, p. 5. ⅓ column.

Use of Machine Drills in Stoping. By B. L. Thane. California M. & M. (special vol., T. A. I. M. E.), p. 219. 8 pages. I.

The Use of the "Baby" Air Drill at the Gold Bank Mine. Min. & Sci. Press, vol. 80, p. 428. ⅔ column.

Comparative Mechanical Power Required in Drilling with Percussion Drills: Rate of Drilling with Different Sized Bits. Min. & Sci. Press, vol. 48, p. 289. Table.

Starting the Drill. Min. & Sci. Press, vol. 34, p. 83. ⅓ column.

Gardner's Rock Drilling Machine. Am. Jour. Min., vol. 1, p. 1. 2½ columns. I.

A New Rock-Drill without Cushion. By A. C. Rand. T. A. I. M. E., vol. 13, p. 249.

Power Coal Drill Used with Under Cutting Coal Machine. E. & M. J., Jan. 12, 1905, p. 85. 3 columns. I.

Rock Drills. M. & M., Aug., 1903. p. 27.

A Gasoline-driven Rock-Drill, the "Bull Dog." E. & M. J., vol. 79, p. 827. 2 columns. I.

Power Coal Drill. M. & M., Dec., 1904, p. 236.

Rock Drills: Consideration of Economy in Operation of Drills and Points of Difference in Construction of Principal Drills in Use. M. & M., May, 1905, p. 497. 5 columns. I.

Power Drills. By C. C. Hansen. J. C. M. I., vol. 5, p. 484. 9 pages. I.

Rock Drilling Machinery. Machinery for Metalliferous Mines, p. 155. 41 pages.

Rock Drilling and Blasting. By N. W. Parlee. J. C. M. I., vol. 6, p. 376. 13 pages.

A Rock-Drill for Saving Slate-Rock. By H. Humphris. T. I. M. E., vol. 20, p. 188. 1 page. I.

The Ross Rock-Drill. By J. M. Ross. T. F. I. M. E., vol. 8, p. 205. 5 pages. I.

Bittenbender's Improved Coal Drill. E. & M. J., vol. 57, p. 557. ¾ column. I.

Power Coal Drills (Jeffreys'). E. & M. J., vol. 64, p. 221. 1½ columns. I.

On Rock Drilling Machinery. By E. G. Spilsbury. T. A. I. M. E., vol. 3, p. 144.

The Eureka Rock Drill. E. & M. J., vol. 65, p. 493. ½ column. I.

Rock Drill Contest. E. & M. J., vol. 50, p. 504. ½ column.

The Brandt Rotary Drill at Bleiberg. E. & M. J., vol. 32, p. 151. ¾ column.

The Drillibite. E. & M. J., vol. 77, p. 244. 1 column. I.

The One-Man Drill. E. & M. J., vol. 78, p. 739. 1 column.

The Legg Rotary Coal Drill. E. & M. J., vol. 39, p. 54. ½ column. I.

Mechanical Appliances in Mines: Coal Cutting and Drilling. By R. H. Wainford. Engineering, London, vol. 74, p. 227, 7¼ columns, I.; and p. 261, 8 columns, I.

Air Hammer Drills

The Development of the Air-Hammer Drill. By H. L. Sinclair. E. & M. J., vol. 83, p. 714. 8 columns.

Air Hammer Drills. By J. T. Glidden. E. & M. J., vol. 84, p. 818. 2 columns.

The Air-Hammer Rock Drill. M. & M., May, 1904, p. 500. 1½ columns.

The Little Jap Hammer Drill. M. & M., vol. 26, p. 94. 2 columns. I.

The Murphy Air-Hammer Rock-Drill. E. & M. J., vol. 80, p. 362. 1¼ columns. I.

The Githens Rock Drill. E. & M. J., vol. 43, p. 167. 1½ columns. I.

Duty of Air-Hammer Drills in Various Kinds of Rock. M. & M., vol. 26, p. 394.

Air-Hammer Rock Drills, Advantages of. By E. A. Rix. M. & M., vol. 26, p. 393. 5⅔ columns.

Air-Hammer Drills. By E. A. Rix. Min. & Sci. Press, vol. 92, p. 128. 1 column.

Electric Drills

The Meissner Electric Rock Drill. E. & M. J., vol. 66, p. 759. 1 column. I.

An English Electric Drill Apparatus. E. & M. J., vol. 64, p. 249. ½ column. I.

The Bladray Electric Drill. E. & M. J., vol. 64, p. 575. 1¾ columns. I.

Electric Transmission and Electric Drills for Mines. By F. Hille. J. C. M. I., vol. 2, p. 166. 19 pages. I.

Electrical Rock Drills and Drilling, Witwatersrand, South Africa. Sch. Mines Quart., vol. 20, p. 387. 2 pages.

Notes on an Electric Drill Used in the Rosedale Ironstone Mines. By J. D. Hay. T. I. M. & M., vol. 5, p. 322.

An Electric Percussive Rock-Drill. By E. Dane. T. I. M. & M., vol. 10, p. 219. 14 pages. I.

Electrical Mining Drills, Germany. By F. C. Perkins. M. & M., May, 1903, p. 440.

Electric Motors for Power Drills. Min. & Sci. Press, vol. 84, p. 201.

Electric Rock Drills. Min. & Sci. Press, vol. 85, p. 320.

New Electric Coal Drill. E. & M. J., vol. 57, p. 536. 1 column. I.

The Siemens and Halske Electric Rock Drills. By W. Meissner. E. & M. J., vol. 60, p. 275. 5 columns. I.

The Marvin Electric Drill. E. & M. J., vol. 60, p. 492. 3⅔ columns. I.

Electric Percussion Drills. E. & M. J., vol. 51, p. 609. 1 column. I.

Electric Percussion Rock Drills. Coll. Engr., vol. 13, p. 277. 1 column. I.

Electric Drills. Min. & Sci. Press, vol. 89, p. 162. 3 columns.

The Piston Action of the Electric Air Drill. E. & M. J., vol. 82, p. 699. 3½ columns. I.

Electric vs. Air Drills. E. & M. J., vol. 82, p. 746. 3 columns.

Electric vs. Air Drills. E. & M. J., vol. 82, p. 552. 1¾ columns.

Electric vs. Air Drills. E. & M. J., vol. 82, p. 1033. 2 columns.

Electric Drill Tests. Min. & Sci. Press, vol. 91, p. 126. ⅔ column.

Forming and Tempering Drills

Kinds and Sizes of Bits Used in the Hematite Mines of New York, with Methods of Sharpening. E. & M. J., vol. 82, p. 555. 1¼ columns.

The Mohaw Bit. E. & M. J., vol. 82, p. 438. Notes. I.

Drill Steel, Bits, Dressing Bits and Tempering. E. & M. J., vol. 82, p. 780. 3 columns.

New Form of Steel Drill Bar. Min. & Sci. Press, vol. 49, p. 17. 1½ columns. I.

"Star" vs. "Chisel" Bit. E. & M. J., vol. 81, p. 620. Note.

Grooved Steel for Drills. Min. & Sci. Press, vol. 39, p. 396. ½ column. I.

Improved Forms of Rock Drill Points. By A. Blatchly. Min. & Sci. Press, vol. 26, p. 130. 1 column. I.

Machine Drills, Drill Steel and Bits. The Witwatersrand Gold-Fields, pp. 375, 381. I.

A New Form of Mine Drill Bit. By W. Fitch. T. L. S. M. I., vol. 7, p. 94. 6 pages. I.

Percent Carbon in Drill Steel Cause of Dulling Easily. E. & M. J., vol. 80, p. 212. Note.

Tempering Iron and Steel. E. & M. J., vol. 49, p. 538. 1¼ columns.

The Scale of Color-Temperatures. E. & M. J., vol. 80, p. 164. Note.

Loss of Temper by Treatment in Hot Water. E. & M. J., vol. 79, p. 1052. Note.

The Tempering Steel for Mining Purposes. M. & M., vol. 20, p. 188. 1½ columns.

Changes Steel May Undergo in Tempering. M. & M., vol. 21, p. 43. 1¼ columns.

Case-Hardening. E. & M. J., vol. 56, p. 637. ⅓ column.

Straightening Tempered Steel. Min. & Sci. Press, vol. 64, p. 264. ½ column.

The Hardening of Steel. By H. M. Howe. E. & M. J., vol. 60, p. 173, 3 columns; and vol. 59, p. 344, ⅔ column.

On the Tempering of Iron Hardened by Overstrain (Couplings Hardened by Stretching may be Softened by Annealing). By James Muir. Engineering, London, vol. 71, p. 126. 2½ columns.

Crystallization of Metal in Hitchings. M. & M., vol. 25, p. 549. ½ column.

Rock-Drill Bits. By T. H. Proske. E. & M. J., vol. 77, p. 724. 3 columns. I. Correction. E. & M. J., vol. 77, p. 758. ¼ column. I.

Making and Tempering Drills. M. & M., vol. 24, p. 38. 3 columns. I.

Tempering Mine Picks. Min. & Sci. Press, vol. 31, p. 40. ½ column.

Tempering Mine Tools. Min. & Sci. Press, vol. 31, p. 89. ¾ columns.

Rules for Tempering Steel. Min. & Sci. Press, vol. 34, p. 3. ½ column.

Changes in Iron and Carbon During Tempering. By M. G. Charpy. E. & M. J., vol. 58, p. 512. ½ column.

Mercury Tempering. E. & M. J., vol. 81, p. 715. Note.

Hardening and Tempering. Min. & Sci. Press, vol. 37, p. 376. 1 column.

The Philosophy of Welding. Min. & Sci. Press, vol. 37, p. 387. 1½ columns.

The Importance of Dipping Vertically in Tempering. Min. & Sci. Press, vol. 37, p. 67. ½ column.

A Drill Sharpener. Min. & Sci. Press, vol. 42, p. 312. ½ column. I.

The Lead Bath in Tempering. Min. & Sci. Press, vol. 42, p. 83. ⅔ column.

The Tempering of Drill-Bits. Min. & Sci. Press, vol. 94, p. 220. 1 column.

The Leyner Drill-Sharpening Machine. M. & M., vol. 28, p. 245. 2 columns. I.

Sharpening Mining Tools. Min. & Sci. Press, vol. 88, p. 428, 2 columns, I.; vol. 89, p. 4, 2½ columns, I.

The Edges of Drill Bits. Min. & Sci. Press, vol. 84, p. 63. 1½ columns. I.

The Power Drill Sharpener. By T. H. Proske. Min. & Sci. Press, vol. 90, p. 54. 1¼ columns.

Annealing and Case Hardening Tool Steel. Min. & Sci. Press, vol. 87, p. 288. ½ column.

Tempering Tool Steel, Factors Influencing. Min. & Sci. Press, vol. 87, p. 300. ¼ column.

Tempering Steel Tools for Mining Purposes. Min. & Sci. Press, vol. 63, p. 38. ⅔ column.

Tempering Steel. Min. & Sci. Press, vol. 73, p. 154. ⅔ column.

Tempering Steel. Min. & Sci. Press, vol. 40, p. 387. ¾ column.

The Lead Bath for Tempering. Min. & Sci. Press, vol. 40, p. 403. ½ column.

Hardening and Tempering at One Operation: Use of Milk. Min. & Sci. Press, vol. 40, p. 115. ⅔ column.

Sharpening Miners' Tools. Min. & Sci. Press, vol. 51, p. 419. ⅔ column.

To Sharpen and Temper a Hand Drill. M. & M., Oct., 1904, p. 117.

Making and Tempering Drills. M. & M., Aug., 1903, p. 38.

Bradbury's Mining Drill Making and Sharpening Machine. E. & M. J., vol. 61, p. 325. ½ column. I.

Challenge Drill Sharpener. E. & M. J., vol. 76, p. 818. 1 column. I.

Colors of Heated Steel Corresponding to Different Degrees of Temperature. By M. White and F. W. Taylor. E. & M. J., vol. 68, p. 762. 1 column.

Use of Bore Holes

Boring Blast Holes with Well Drillers. Eng.-Cont., vol. 27, p. 35. ¼ column.

Drilling for Gold Dredging. Min. & Sci. Press, vol. 85, p. 74. ½ column.

Deep Hole at Parnschowitz, Silesia. Min. & Sci. Press, vol. 82, p. 59. Note.

The Use of Bore Holes for Rope, Steam and Water Ways in the Anthracite Region. Coll. Engr., vol. 8, p. 49. 9 columns. I.

Hoisting Ore Through a Bore-Hole. E. & M. J., vol. 83, p. 153. ½ column.

The Uses of Bore-Holes in Coal Mining. By R. Lee. E. & M. J., vol. 83, p. 94. 1¼ columns.

Tapping Drowned Workings at Wheatley Hill Colliery. By W. B. Wilson. T. I. M. E., vol. 23, p. 72, 12 pages, I.; and p. 223, 8 pages.

An Ordinary Miner's Boring-Machine Adapted for Boring Against Wastes. By R. Martin. T. I. M. E., vol. 19, p. 69. 2 pages. I.

Boring Machine Adapted for Boring Against Wastes. By Robt. Martin. M. & M., Apr., 1901, p. 416. 1 column.

Burnside's Safety Boring Apparatus. Mech. Eng. Coll., vol. 1, p. 26. I.

Boring Towards Old Workings. P. C. M., vol. 2, p. 337. 2¾ pages. I.

Bore-Holes for Pumping Purposes. By E. S. Wight. T. I. M. E., vol. 26, p. 147. 4½ pages. I.

Prospect Drilling

Mine Exploration by Diamond Drill. Min. & Sci. Press, vol. 79, p. 378. 4 columns. I.

Value of Bore-Hole Tests in Dredging Ground. Min. & Sci. Press, vol. 91, p. 425. ¾ column.

Boring in the Tundra of the Nome Gold Fields in Search of Gold. By O. Halla. Min. & Sci. Press, vol. 86, p. 132. 1 column.

The Cyclone Drilling Machine for Testing Placer Ground. E. & M. J., vol. 72, p. 726. 1 column. I.

Value of the Diamond Drill for Prospecting, or the Amount of Dependence Which Can Be Placed upon the Record Furnished by It. By H. M. Lane. M. & M., vol. 20, p. 49, 4 columns, I.; p. 101, 4¼ columns, I.; p. 160, 3 columns, I.; p. 193, 8½ columns, I.; and p. 241, 8 columns, I.

Number and Arrangement of Diamond Drill Prospect Holes. M. & M., vol. 20, pp. 49, 50. 2 columns. I.

Value of the Diamond Drill for Prospecting. By H. M. Chance. M. & M., vol. 20, p. 49. 4 columns. I.

Diamond Drilling Machines. By H. M. Lane. M. & M., vol. 20, p. 241. 8 columns.

Uses and Importance of the Diamond Drill: Exploring Mines. Min. & Sci. Press, vol. 36, p. 169. 1½ columns.

Prospecting with the Diamond Drill. Min. & Sci. Press, vol. 75, p. 241. 1 column.

The Diamond Drill in Prospecting. Min. & Sci. Press, vol. 78, p. 508. 1⅔ columns. I.

Diamond Drills for Underground Exploitation. By J. Humes. E. & M. J., vol. 83, p. 381. 3 columns. I.

The Diamond Drill as an Ore Finder. By J. Humes. E. & M. J., vol. 83, p. 943. 2 columns.

DIAMOND DRILLING: Prospecting. The Witwatersrand Gold-Fields, p. 131. I.

DEVIATION OF DRILL HOLES. The Witwatersrand Gold-Fields, p. 142. I.

TEST DRILLING ON THE MESABI IRON RANGE. By K. Thomas. E. & M. J., vol. 75, p. 896, 6 columns, I.; and p. 966, 3½ columns, I.

PRELIMINARY STUDY OF RECENT BORINGS MADE IN THE NORTH OF FRANCE IN SEARCH OF THE COAL-BASIN. By J. Grosselet. T. I. M. E., vol. 18, p. 317. 8 pages.

EXPLORING WITH THE GOVERNMENT DIAMOND DRILL. By T. W. Gibson. T. F. C. M. I., vol. 1, p. 197. 17 pages.

FINDING ORE BY DRILLING. E. & M. J., vol. 68, p. 582. 1 column.

STATE DRILLING FOR MINERALS IN MISSOURI. E. & M. J., vol. 69, p. 196. 1½ columns.

DIAMOND DRILL PROSPECTING: In Southeast Missouri Lead District. M. & M., Nov., 1901, p. 147.

PROSPECTING WITH THE HAND AUGER AND DRILL. Min. & Sci. Press, vol. 76, p. 620. 1½ columns.

DRILLING ADJOINING FORTIES: Test Drilling. E. & M. J., vol. 75, p. 897. I.

TRIAL BORING. P. C. M., vol. 1, p. 97. 30 pages. I.

MACHINE FOR BORING TEST HOLES. Min. & Sci. Press, vol. 37, p. 329. 1 column. I.

PROSPECTING FOR GOLD WITH A DRILLING MACHINE. By R. H. Postlethwaite. Min. & Sci. Press, vol. 78, p. 229. 3 columns. I.

DIAMOND DRILL PROSPECTING. Min. & Sci. Press, vol. 82, p. 106. ¾ column.

PROSPECTING WITH CHURN DRILLS. By F. S. Pheby. Min. & Sci. Press, vol. 93, p. 786. 2 columns.

PROSPECTING WITH CHURN DRILLS. By G. C. McFarlane. E. & M. J., vol. 80, p. 146. 5 columns. I.

PROSPECTING FOR IRON ORE DEPOSITS IN SWEDEN BY DIAMOND DRILL. Engineering, London, vol. 66, p. 502.

PROGRESS IN COAL PROSPECTING. E. & M. J., vol. 82, p. 401. 3 columns. I.

PROSPECTING BY DEEP WELL DRILLING. By L. C. Cornell. E. & M. J., vol. 84, p. 880. 2 columns.

PROSPECTING DRILLS. By W. Dickson. J. C. M. I., vol. 9, p. 387. 10 pages.

PROSPECTING IN THE WISCONSIN ZINC FIELDS. E. & M., J., vol. 81, p. 1233. 2 columns. I.

PROSPECTING WITH KEYSTONE DRILL FOR COPPER ORE IN THE ELY, NEVADA, DISTRICT. By C. E. Hart. E. & M. J., vol. 83, p. 804. 3⅞ columns. I.

DRILLING ADJOINING FORTIES: Arrangement of Holes. E. & M. J., vol. 75, p. 897. I.

Churn Drills and Drilling

A B C OF STEAM PERCUSSION DRILL PRACTICE. By J. P. Hutchins. E. & M. J., vol. 84, p. 1111, 12 columns, I.; p. 1151, 15 columns, I.; and p. 1197, 15½ columns, I.

BORING AN OIL WELL. By J. H. Pierce. Min. & Sci. Press, vol. 91, p. 443. 2½ columns. I.

THE AMERICAN SYSTEM OF DRILLING. P. C. M., vol. 1, p. 106. 3½ pages. I.

OIL WELL DRILLING WITH WIRE ROPE. Min. & Sci. Press, vol. 83, p. 218. 1 column. I.

FREE-FALLING DEVICES FOR DRILLING. P. C. M., vol. 1, p. 98. 2 pages. I.

ARTESIAN BORING AT GAINSBOROUGH: Largest Bore-Hole in Europe. (24-in. Tool.) Engineering, London, vol. 71, p. 25. 1 column. I.

THE MAKING OF AN OIL WELL BIT. Min. & Sci. Press, vol. 86, p. 316. 1 column.

Hydraulic-Ram Boring Apparatus. E. & M. J., vol. 83, p. 761. 5 columns. I.

Modern Deep Drilling Practice in Europe. By W. Holden. Min. Mag., vol. 13, p. 33. 8 columns. I.

Notes on Boring: Use of Dynamite in Removing Obstacles in Drilling. E. & M. J., vol. 18, p. 163. ½ column.

Notes on the Construction and Practical Operation of Rock Drilling Machines. By E. M. Weston. P. C. M. & M. Soc. S. A., vol. 6, p. 38, 20½ columns, I.; p. 118, 25 columns, I.; p. 162, 11 columns; p. 193, 3 columns; and p. 217, 12 columns.

The Borings for the Bohio Dam for the Panama Canal. By R. C. Smith. J. W. Soc. E., vol. 8, p. 372. 27½ pages. I.

Ordinary Well-Boring Tools. Min. & Sci. Press, vol. 37, p. 289, 2 columns, I.; p. 305, I.; and p. 329, 2 columns, I.

Rate of Well-Boring. Min. & Sci. Press, vol. 37, p. 329. ½ column.

Boring: England. By W. W. Smyth. E. & M. J., vol. 22, p. 232, 2 columns, I.; p. 267, 2 columns; and p. 283, 2 columns, I.

Self-Pumping Well-Boring Drill. Min. & Sci. Press, vol. 28, p. 201. ½ column. I.

Improved Artesian Well Borer. Min. & Sci. Press, vol. 33, p. 353. ¾ column. I.

Methods of Drilling for Oil and Tools Used (Austria-Hungary). E. & M. J., vol. 56, p. 9. I.

Improved Bore-Rod Coupling. E. & M. J., vol. 50, p. 450. ½ column.

Drilling Derrick or Carpenter's Rig. Second Geol. Survey Pa., A. C., Atlas, Pl. XXV.

Tools Used in Sinking the Artesian Well, Place Herbert, Paris. E. & M. J., vol. 45, p. 453. ½ column. I.

Well Records: Collection and Preservation. M. & M., Dec., 1904, p. 257.

Roumanian Petroleum Derrick and the Oil Industry. E. & M. J., vol. 67, p. 593. 1 column. I.

Method of Drilling for Oil in Eastern Europe. T. F. I. M. E., vol. 3, p. 707. I.

Well-Boring by Steam with a Spring-Pole. By B. S. Layman. E. & M. J., vol. 41, p. 131. 3 columns. I.

Comparison of Two Systems of Rock Drilling. E. & M. J., vol. 42, p. 294. ½ column.

Running Sand in Borings. E. & M. J., vol. 64, p. 610. ⅓ column.

Boring in Japan. By F. J. Norman. T. I. M. E., vol. 23, p. 685. 14 pages. I.

Diamond and Rotary Drills

Diamond Drilling, Rossland, British Columbia, also at Butte, Montana. M. & M., vol. 21, p. 363. ⅔ column.

Rate of Drilling with Diamond Drill. M. & M., vol. 20, p. 244. ½ column.

The Diamond Drill and Its Work. E. & M. J., vol. 15, p. 65. 2 columns. I.

Diamond Drill Work and Costs in the Mesabi Iron Range. E. & M. J., vol. 75, p. 896–7. I.

Rock-Boring Machinery (Diamond). E. & M. J., vol. 16, p. 204, 2 columns; and p. 211, 2 columns.

Rock-Boring Machines in Europe. E. & M. J., vol. 16, p. 243. ¾ column.

Diamond Pointed Rock Drill. Am. Jour. Min., vol. 7, p. 65. 2½ columns. I.

Annular Diamond-Pointed Rock Drills. Am. Jour. Min., vol. 7, p. 193. 4 columns. I.

Diamond Rock Drills. Am. Jour. Min., vol. 3, p. 181. 1½ columns. I.

Use of Both Churn and Diamond Drills in Same Hole, Mesabi Iron Ore Range. E. & M. J., vol. 79, p. 320.

Wear of Diamonds in Drilling. E. & M. J., vol. 78, p. 580. Note.

The Diamond Drill. Second Geol. Survey Pa. A.C., p. 41. 2 pages.

Recent Improvements in Diamond Drills and in the Machinery for Their Use. By W. P. Blake. T. A. I. M. E., vol. 1, p. 395.

Annular Diamond-Pointed Rock-Drills. The Manufacturer and Builder, Nov., 1871, p. 252. I.

The Diamond Drill in Missouri. By R. D. O. Johnson. E. & M. J., vol. 80, p. 243. 4 columns.

A Recent Boring at Chesterfield with the Diamond Drill. By G. E. Coke. T. F. I. M. E., vol. 1, p. 17, 8 pages, and p. 179, Discussion, 4 pages.

Spring-Pole Drilling. By E. G. Tuttle. Sch. Mines Quart., vol. 16, p. 1. 24 pages. I.

Diamond-Drill Record Blank. M. & M., vol. 26, p. 24. 1 column.

Diamond Drill Prospecting. M. & M., vol. 47; p. 235. 2 columns. I.

On the Drilling of the Bezuidenville Borehole, near Johannesburg. By J. A. Chalmers. T. I. M. & M., vol. 5, p. 86.

Theory of Diamond Drill Driving. Mech. Eng. Coll., vol. 1, p. 11.

Boring. By T. C. Futers. Mech. Eng. Coll., vol. 1, chap. 1, p. 1. 28 pages. I.

An Underground Diamond Bore at Preston-Links Colliery, England. By R. Kirkby. T. I. M. E., vol. 35, p. 89. 5 pages. I.

A Diamond Hand-Boring Machine. By J. B. Thompson. T. I. M. E., vol. 32, p. 107. 6 pages. I.

Notes on Diamond Drilling. By J. C. Taylor. J. M. Soc. N. S., vol. 9, p. 72. 22 pages.

Diamond Boring. P. C. M., vol. 1, p. 113. 6 pages. I.

Notes on Diamond Drilling in the Boundary District. By F. Keffer. J. C. M. I., vol. 9, p. 317. 4½ pages.

Methods and Costs of Making Diamond Drill and Wash Borings near New York City. By F. Lavis. Eng.-Contr., vol. 27, p. 17. 1¾ columns.

Diamond Drilling by Contract. Diamond Drilling, by G. A. Denny, chap. 10.

Diamond Drilling: Percentage Loss of Core; Recovery of Lost Carbons; Size of Bore Hole According to Depth and Deflection of Boreholes. Diamond Drilling by G. A. Denny. pp. 73, 74 and 76.

Jamming of Rods in Diamond Drilling: Caving of the Hole; Mud Rushes into the Hole; Working with Worn Bit; Recovery of Jammed Rods; Loss of Water in Borehole; and Cementation. Diamond Drilling, by G. A. Denny, pp. 62, 65, 66, 67, 68 and 71.

Operation of Machine and Hand Diamond Drills and Incidental Operations in Diamond Drilling. Diamond Drilling, by G. A. Denny, chaps. 5 and 6.

Methods of Making Wash Drill (Diamond) Borings on the Great Lakes and Atlantic Ship Canal Survey. Eng.-Cont., vol. 27, p. 132. 4 columns.

Diamond Drill in Underground Prospecting. Diamond Drilling, by G. A. Denny, p. 17. 5 pages. I.

Hand-Power and Power Diamond Drills. Diamond Drilling, by G. A. Denny, chaps. 3 and 4. I.

Setting of Diamonds in Bit. By C. Isler. Well-Boring, p. 160.

Diamond Drilling: Wear of Carbons and Life of Crown. By G. A. Denny. Diamond Drilling, p. 90.

Deep Boring with Diamond Drills. By C. Isler. Well-Boring, p. 157.

Deep Drilling (Diamond) in South Africa. Min. & Sci. Press, vol. 90, p. 183. ¾ column. I.

Diamond Drilling at Rossland, British Columbia. Min. & Sci. Press, vol. 85, p. 86. ½ column.

Diamond Drill Boring at the Aschersleben Soda Works, Saxony. By M. Landgraf. E. & M. J., vol. 58, p. 76. ⅔ column.

Diamond Pointed Steam Drills. E. & M. J., vol. 12, p. 321. 4 columns. I.

Dickinson's Patent Shaped Diamond Carbon Points or Cutters and Adjustable Holder. E. & M. J., vol. 11, p. 31. 1½ columns. I.

The Diamond Drill, at Smartville, California, in Tunnel Work. Min. & Sci. Press, vol. 23, p. 88. ¼ column.

Diamond Drills vs. Churn Drills. By J. Humes. E. & M. J., vol. 82, p. 1012. 2¼ columns.

Method of Preventing Loss of Flow of Water in Diamond Drilling. E. & M. J., vol. 82, p. 19. Note.

Diamond Drilling in an Arizona Copper District. By D. E. Woodbridge. E. & M. J., vol. 77, p. 888. 2 columns.

Notes on Diamond Drilling in the Boundary District, British Columbia. By F. Keffer. E. & M. J., vol. 82, p. 771, 2 columns; and M. & M., vol. 27, p. 177.

Diamond Drilling in West Africa. By J. N. Justice. T. I. M. & M., vol. 12, p. 301. 38 pages. I.

Diamonds of Drilling: Weight, Size, etc. E. & M. J., vol. 78, p. 782. Note.

Setting Diamond Drill Bits. E. & M. J., vol. 68, p. 67. 1⅓ columns. I.

Percentage Loss of Core. T. I. M. & M., vol. 12, p. 307. Table.

On Diamond Drilling in the Transvaal. By W. Wybergh. T. I. M. & M., vol. 6, p. 164.

The Diamond Drill for Deep Boring Compared with other Systems of Boring. By O. J. Heinrich. T. A. I. M. E., vol. 2, p. 241; and vol. 3, p. 183.

Recent Improvements in Core Drilling without Diamonds. By L. I. Wightman. E. & M. J., vol. 80, p. 830. 5 columns. I.

Feeding Mechanism for Diamond Drills. M. & M., vol. 20, p. 241. 4 columns.

Diamond Drill with Core-Barrel: A New Arrangement of Same, M. & M., vol. 27, p. 139. ½ column. I.

Diamond Drilling Under Difficulty. By S. C. Thomson. E. & M. J., vol. 79, p. 848. 2¾ columns.

Notes on "Diamonds" and "Diamond Setting" for Diamond Drill Work. Eng.-Cont., vol. 27, p. 104. 4 columns.

"Bort" Diamonds May Enter Duty Free. E. & M., J. vol. 83, p. 807. Note.

The Selection of Carbon for Diamond Drill Bits. E. & M. J., vol. 84, p. 695. ¾ column. I.

Crushing-Tests of the Diamonds Used in Drilling. By A. N. Mitinsky. T. A. I. M. E., vol. 37, p. 331. 2¼ pages.

Carbons for Diamond Drills. Min. & Sci. Press, vol. 77, p. 450. 1 column.

Carbons in Brazil. E. & M. J., vol. 66, p. 608. ¾ column.

Black Diamonds. Min. & Sci. Press, vol. 77, p. 532. 1 column.

Davis Calyx-Drill. By F. H. Davis. T. I. M. E., vol. 15, p. 363. 16 pages. I.

A New Portable Drill for Coal Mines. E. & M. J., vol. 56, p. 319. 1 column. I.

The Davis Calyx Drill. E. & M. J., vol. 65, p. 223. 1½ columns. I.

Davis Calyx Drill in Southeastern Missouri. M. & M., Nov., 1901. p. 148.

Drilling without Diamonds. M. & M., Feb., 1905, p. 347. 1¼ columns.

Core Drilling with the Davis Calyx Drill. By L. V. Emanuel. Sch. Mines Quart., vol. 16, p. 219. 14 pages. I.

Deep Drilling

Deep Drilling in South Africa. E. & M. J., Mar. 30, 1905, p. 623. 1 column.

The Deep Borings on the Witwatersrand. E. & M. J., vol. 56, p. 371. 1½ columns.

A Drill Hole 4800 Feet Deep: An Account of a Deep Bore Hole Sunk with a Sullivan Diamond Drill near Johannesburg, South Africa. M. & M., Jan., 1902, p. 251. 1½ column. I.

Deep Coal Bore Hole. M. & M., vol. 28, p. 215. Note.

Deep-Well Bores. Engineering, London, vol. 75, 1903, p. 9. ¼ column.

The Deepest Bore-Hole in the World: Rybink District, Upper Silesia. E. & M. J., vol. 57, p. 489. Note.

Largest Bore-Hole in Europe. Engineering, London, vol. 71, p. 25. ½ column. I.

The Deepest Bore-Hole. Min. & Sci. Press, vol. 74, p. 74. ⅓ column.

Rate of Drilling

Speed of Drilling. By A. C. Lane. E. & M. J., vol. 68, p. 548. 1 column. Table.

A Hand Drilling Contest. E. & M. J., vol. 66, p. 368. Note.

Trials of Rock Drills and Pulverizers. Min. & Sci. Press, vol. 47, p. 298. 1 column.

Speed of Machine Rock Drilling: Tunnel Work. Min. & Sci. Press, vol. 32, p. 389. Table.

Rate of Advance of Air-Hammer Hand Drills in Different Kinds of Rock. E. & M. J., vol. 81, p. 363. ¼ column.

What Drillers and Kaffir Assistants Consider a Shift's Work. E. & M. J., vol. 81, p. 380. Note.

Rock Drilling Contest: Good Table of Results. Min. & Sci. Press, vol. 85, p. 47. 1 column. I.

Work Done by Burleigh Drills. Min. & Sci. Press, vol. 30, p. 164, ½ column, and p. 233. Table.

A Rock Drill Contest in Cornwall. Min. & Sci. Press, vol. 45, p. 294. 1½ columns.

A Rock-Drilling Contest. Min. & Sci. Press, vol. 63, p. 378. 1 column.

Trials of Rock Drills: A Series of Tests to Show Relative Air Consumption per Cubic Inch of Rock Drilled by Different Makes of Drills. By J. B. Carper. M. & M., Sept., 1904, p. 64. 5 columns. I.

Trials of Rock Drills. By J. B. Carper. Mech. Engs. Assoc. Witwatersand, Transvaal, Feb., 1904, and Min. Mag., Oct.-Nov., 1904, p. 299. 4 columns.

Record of the "Little Giant" Rand Drills in Chicago Drainage Canal Work. Engineering, London, vol. 63, p. 133. Table.

Machine Drill Contest at Idaho Springs, Colorado. By H. F. Bain. E. & M. J., vol. 74, p. 114. 3 columns. I.

Submarine Drilling

Submarine Drilling. E. & M. J., vol. 48, p. 453. ½ column. I.

Putting a Bore-Hole Down under Water. Mech. Eng. Coll., vol. 1, p. 28. I.

SUBMARINE DRILLING APPARATUS. Am. Jour. Min., vol. 7, p. 385. 4¾ columns. I.

SUBMARINE DRILLING. By E. F. Schaefer. Min. & Sci. Press, vol. 92, p. 437. 1 column. I.

Surveying Bore Holes

DEVIATION OF DIAMOND DRILL HOLES ON THE RAND. Witwatersand Gold-Fields, p. 141. 1 page. I.

CAMERA FOR PHOTOGRAPHING WALLS OF BORE-HOLES. By J. T. Atwood. E. & M. J., vol. 83, p. 944. 6 columns. I.

PHOTOGRAPHIC RECORDS OF BORE HOLES. E. & M. J., vol. 81, p. 1177. ⅜ column.

CURVATURE OF DIAMOND DRILL HOLES. By J. P. Channing. T. L. S. M. I., vol. 2, p. 23. 10 pages. I.

DEFLECTION OF DIAMOND DRILL HOLES. By L. A. Womble. Min. Mag., Aug., 1904, p. 131. ½ column.

THE DRIFT OF A DIAMOND DRILL: A Case. Min. & Sci. Press, vol. 89, p. 20. Note.

A PRACTICAL EXAMPLE OF THE DRIFT OF A DIAMOND DRILL HOLE. Min. & Sci. Press, vol. 89, p. 24. ½ column. I.

SURVEY OF DIAMOND DRILL BORES. By W. R. Bowden. Min. & Sci. Press, vol. 87, p. 353. 4½ columns. I.

SURVEY OF DIAMOND DRILL HOLES BY ETCHING GLASS WITH HYDROFLUORIC ACID. E. & M. J., vol. 82, p. 593. Note.

COMPUTATION OF DIP AND STRIKE OF A FORMATION BY DIAMOND DRILL. Diamond Drilling, by G. A. Denny, p. 95.

THE CURVATURE OF DIAMOND DRILL HOLES. E. & M. J., vol. 65, p. 247. ¼ column.

DRIFT IN DIAMOND-DRILL HOLES. By H. M. Lane. M. & M., vol. 20, p. 7. 4 columns. I.

DETERMINING THE DEFLECTION OF DRILL HOLES. By G. C. McFarlane. E. & M. J., vol. 68, p. 341. 1½ columns. I.

SURVEYING DRILL HOLES. By Kuhlow's. M. & M., July, 1903, p. 543.

SURVEYING DEEP BORE HOLES. By J. B. Porter. Min. Mag., vol. 13, p. 135. 3 columns. I.

SURVEYING BORE-HOLES. Witwatersrand Gold-Fields, p. 143. 2 pages. I.

DETERMINING OF ANGLES OF DIAMOND DRILL HOLES. By F. A. Janson. T. L. S. M. I., vol. 11, p. 148. 4 pages. I.

DEEP BOREHOLE SURVEYING. By H. F. Marriott. T. I. M. & M., vol. 14, p. 255. 34 pages. I.

DEVIATION OF BORE-HOLES. P. C. M., vol. 1, p. 125. 2 pages. I.

DIP OF CLEAVAGE PLANES, LINES OF STRATIFICATION, CONTACTS: Method of Finding Same in Diamond Drilling. T. I. M. & M., vol. 12, p. 307. I.

Reamers for Boring Apparatus

A REAMER FOR DIAMOND DRILLING. T. A. I. M. E., vol. 3, p. 185.

AN EXPANSION REAMER. M. & M., Sept., 1904, p. 58. ¾ column. I.

A GERMAN UNDER-CUTTER (Reamer) FOR COAL MINES. E. & M. J., vol. 67, p. 177. 1 column. I.

UNDER-CUTTER REAMER: Churn Drilling. M. & M., vol. 20, p. 326. ¼ column. I.

DAY'S REAMER FOR WELL BORING. Min. & Sci. Press, vol. 58, p. 481. 1½ columns. I.

THE SHOT-HOLE RECESSER. By T. Rasmussen. T. I. M. E., vol. 20, p. 186. 2 pages. I.

Miscellaneous Information

A METHOD OF DEALING WITH RUNNING-SAND WHEN MET WITH IN BORINGS. By G. B. Reynolds. T. F. I. M. E., vol. 14, p. 107. 4 pages.

METHODS OF BORING ARTESIAN WELLS: Churn, Diamond and Shot Drills. T. I.M.E., vol. 33, p. 480. 6 pages. I.

STRAIGHTENING BORE-HOLES. E. & M. J., vol. 81, p. 1198. Note.

PNEUMATIC DRILL-HOLE CLEANER. Min. & Sci. Press, vol. 42, p. 297. 1 column. I.

RECOVERING A BORE-HOLE. By W. J. Cousins. E. & M. J., vol. 68, p. 607. 1⅛ columns.

WATER INJECTION IN ROCK DRILLING. By J. Druge. E. & M. J., vol. 57, p. 321. ½ column. I.

SPRAY FOR ROCK DRILLS. By E. Walker. E. & M. J., vol. 83, p. 904. 2 columns. I.

INSTRUCTIONS FOR RUNNING A ROCK DRILL. M. & M., Jan., 1904, p. 268.

CARE OF MINING MACHINERY: Rock Drills; How They are Constructed; Steam Drills and Air Drills; Methods of Mounting and Operating. By E. B. Wilson. M. & M., Jan., 1904, p. 282, and Dec., 1903, p. 230.

TOOL ROOM CARE AND ECONOMY. By F. G. De Saussure. E. & M. J., vol. 83, p. 1139. 7 columns. I.

CAUSE OF RIFLED DRILL HOLES. E. & M. J., vol. 81, p. 476. Note.

DEVICE FOR KEEPING MINERS' BITS TOGETHER IN THE MINE. M. & M., vol. 27, p. 179. ⅓ column. I.

CAUSE OF LOSS OF DRILL STEEL IN MINES. Min. & Sci. Press, vol. 83, p. 97. Note.

THE GITHENS SYSTEM OF ROCK DRILLING. E. & M. J., vol. 57, p. 248. 2 columns. I.

See COMPRESSED AIR for Further Information on DRILLING.

THE INDUSTRIAL DEVELOPMENT OF MINING, AND PRODUCTION

Economic and Industrial Features of Mining

THE INFLUENCE OF GOVERNMENT UPON MINING. By E. B. Kirby. J. C. M. I., vol. 6, p. 355. 18 pages.

ON THE ADVISABILITY OF THE ESTABLISHMENT OF A FEDERAL DEPARTMENT OF MINES. By H. M. Lamb. J. C. M. I., vol 9, p. 87. 20 pages.

STATE OWNERSHIP OF FUEL AND NATURAL POWER SUPPLIES: New Zealand; Holland; Germany; Natal; and Great Britain — Examples. E. & M. J., vol. 81, p. 863. Note.

GOVERNMENT AID TO MINING: A Suggestion. J. M. Soc. N. S., vol. 2. p. 110. 4½ pages.

THE MINING INDUSTRY AND THE RELATION OF THE FEDERAL GOVERNMENT TO IT THROUGH THE WORK OF THE DIFFERENT DEPARTMENTS. By E. W. Parker. M. & M., vol. 18, p. 509. 3⅓ columns.

THE WORK OF THE UNITED STATES GEOLOGICAL SURVEY IN RELATION TO THE MINERAL RESOURCES OF THE UNITED STATES. By C. D. Walcott. T. A. I. M. E., vol. 30, p. 3.

THE MINING WORK OF THE UNITED STATES GEOLOGICAL SURVEY. By S. F. Emmons. T. A. I. M. E., vol. 10, p. 412.

THE WORK OF THE GEOLOGICAL SURVEY OF THE BRITISH ISLES. By A. Geikie. T. F. I. M. E., vol. 5, p. 142. 26 pages.

THE MINING INDUSTRY: Its Influence on the Mechanical and Engineering Progress of the Country. By J. Birkinbine. M. & M., vol. 18, p. 13. 3 columns.

Industry of Mining. By A. C. Charleton. T. I. M. & M., vols. 1 and 2, p. 158.

Does Mining Pay? T. I. M. & M., vols. 1 and 2, p. 159. Table.

The National Importance of Mining. By J. E. Hardman. J. C. M. I., vol. 5, p. 113. 42 pages.

Development of Permanent Interests in Mining Sections. Min. & Sci. Press, vol. 18, p. 290. 1½ columns.

The Future of Mining: The Opportunities It Offers and the Best Means of Attaining Success in the Profession. By N. P. Hulst. M. & M., vols. 21, p. 246. 4 columns.

The Relations of Mining and Smelting Between Mexico and the United States. By J. W. Malcolmson. M. & M., vol. 26, p. 344. 1¾ columns.

Progress of Mining Interests. By J. T. Blandy. E. & M. J., vol. 62, p. 51. ⅞ column.

Our Possibilities. By H. M. Howe. T. A. I. M. E., vol. 24, p. 742.

Effect of the Increased Output of Gold on Commerce and Industry. Cal. Miners' Assoc. Annl., 1906, p. 65. 22 pages.

What would have Come of a Goldless California. Min. & Sci. Press, vol. 54, p. 124. 2¼ columns.

Notes and Recollections Concerning the Mineral Resources of Northern Georgia and Western North Carolina. By W. P. Blake. T. A. I. M. E., vol. 25, p. 796.

The Mineral Wealth of Japan. By H. S. Munroe. T. A. I. M. E., vol. 5, p. 236.

The Development of Colorado's Mining Industry. By T. A. Rickard. T. A. I. M. E., vol. 26, p. 834.

Development of National Resources. Min. & Sci. Press, vol. 92, p. 154. 1 column.

Mexico's Progress in Mining Matters: A Rich Region That is Being Opened Up by Outside Capital. By Wm. M. Courtis. M. & M., Aug., 1901, p. 1. 6⅔ columns.

Mining in Colorado: Epitome of Report of the State Bureau of Mines, Colorado, 1899–1900. By H. A. Lee. M. & M., Apr., 1901, p. 415. 2 columns.

The Mexican Meeting of the American Institute of Mining Engineers: An Account of a Most Interesting and Enjoyable Trip. By F. J. Frank. M. & M., Jan., 1902, p. 265. 10¼ columns. I.

Contribution to the Early History of the Industry of Phosphate of Lime in the United States. By W. P. Blake. T. A. I. M. E., vol. 21, p. 157.

Product and Economical Results of the Marsac Refinery for the Year 1892. By C. A. Stetefeldt. T. A. I. M. E., vol. 24, p. 221.

Railroad Absorption of Mineral Lands in California. By A. H. Ricketts. E. & M. J., vol. 62, p. 298. 1 column.

Present and Future of the American Gypsum Industry. By F. A. Wilder. E. & M. J., vol. 74, p. 276. 6½ columns. I.

Mines and Mining in 1879. Min. & Sci. Press, vol. 40, p. 56, 7 columns +; vol. 42, p. 72 (1880), 11½ columns; vol. 44, p. 57 (1881), 19 columns; vol. 48, p. 40 (1883), 28 columns; vol. 50, p. 56 (1884), 26⅔ columns; vol. 52, p. 60 (1885), 21½ columns; vol. 54, p. 72 (1886), 27½ columns; vol. 56, p. 72 (1887), 22½ columns; vol. 58, p. 78 (1888), 14 columns; vol. 60, p. 78 (1889), 18 columns.

The Past and Present Value of Our Mines. Min. & Sci. Press, vol. 26, p. 168. ⅞ column.

Exhaustion of the Metals. E. & M. J., vol. 80, p. 66, 1⅔ columns, and International Quarterly, July, 1905.

The Economics of Mining: Some Ideas Regarding Legitimate and Illegitimate Methods of Promoting and Operating a Mine. By W. G. Godfrey. M. & M., vol. 20, p. 34. 2⅔ columns.

Our Mining Interests: A Century's Advance. Some of the Factors Contributing to and Influencing American Mining Development. By J. A. Holmes. M. & M., Dec., 1902, p. 219, 4 columns, and International Mining Congress, Sept., 1902.

Our Mining Interests: Influence of State and National Geological Surveys, also that of the World's Fairs in This and Other Countries. By J. A. Holmes. M. & M., Jan., 1903, p. 269. 3 columns.

What Mining Has Done. Min. & Sci. Press, vol. 40, p. 306. ½ column.

Profits of Mining. Min. & Sci. Press, vol. 35, p. 360. ½ column.

The Evils of Big Surface Ore Finds. Min. & Sci. Press, vol. 39, p. 40. 1¾ columns.

Mining the Great Civilizer. Min. & Sci. Press, vol. 32, p. 264.

Hard Times: Want of Capital. Min. & Sci. Press, vol. 27; p. 106. 2 columns.

Mine Swindles in Utah. Min. & Sci. Press, vol. 27, p. 161. 1 column.

Mining and Civilization. Min. & Sci. Press, vol. 67, p. 179, ⅔ column; and p. 212, 1 column +.

San Francisco and the California Mines. Cal. Miners' Assoc. Annl., 1906, p. 49. 16 pages.

A Mining Deal: Selling Mining Stock in London. E. & M. J., vol. 61, p. 133. Note.

Population of the United States 1790 to 1870. T. A. I. M. E., vol. 5, p. 193.

Population of States and Railroad Mileage. M. & M., May, 1901, p. 478. ¼ column.

Mining and Forestry in the Black Hills. By T. J. Grier. E. & M. J., Mar. 2, 1905, p. 409.

The Mining Industry in its Relation to Forestry. By B. E. Fernow. T. A. I. M. E., vol. 17, p. 264.

Germany vs. American Forestry. M. & M., Feb., 1904, p. 303. ½ column.

The Relation of Capital and Labor. By Herman Justi. M. & M., June, 1901, p. 496, 2½ columns; and Nov., 1904, p. 195.

Mining Statistics

Statistics of the Mining and Metallurgical Industry of the State of Nuevo Leon, Mexico. T. A. I. M. E., vol. 32, p. 241.

Mining and Mineral Statistics. By C. Le Neve Foster. T. A. I. M. E., vol. 22, p. 95.

Mining Statistics. By F. Hobart. J. C. M. I., vol. 8, p. 162. 6½ pages.

Uniform Mining Statistics in Canada. J. C. M. I., vol. 8, p. 169. 4 pages.

Summary of Statistics of Productive Mines and Quarries in the States. Rept. Census Office, Mines & Quarries, 1902, pp. 163–346.

Memoranda on the Analysis of Statistics. By A. W. Hale. T. A. I. M. E., vol. 9, p. 608.

Mining and Other Statistics of the 30 Mexican States. By A. C. Hodge. T. I. M. & M., vol. 9, p. 429. 1 page.

Table of Production of Leading Metals and Minerals in the United States During the First Century of National Independence. By R. W. Raymond. T. A. I. M. E., vol. 19, p. 501.

Mineral Production of Ontario in 1903. By T. W. Gibson. J. C. M. I., vol. 7, p. 425. 11 pages.

Mining in British Columbia: A Brief Review of Industrial Conditions During 1904 — The Outlook for the Coming Year. By H. M. Lamb. M. & M., Mar., 1905, p. 378. 3¾ columns.

Wyoming Mineral Production. E. & M. J., Mar. 2, 1905, p. 409.

Mining Statistics for the United Kingdom During 1899. M. & M., June, 1901, p. 511. 1 column.

Production and Trade of Yukon Territory. M. & M., Feb., 1905, p. 349. Note.

Mineral Production of British Columbia. By E. Jacobs. M. & M., May, 1901, p. 466. ¾ column.

Mineral Production of Peru in 1904. Min. Mag., vol. 12, p. 303. 6 columns.

Mineral Production of Newfoundland. E. & M. J., vol. 79, p. 1086. 1¼ columns.

The Development and Production of Precious Metal Mining

Economic Features of Mining on the Witwatersrand Gold-Fields. By E. P. Rathbone. E. & M. J., vol. 63, p. 161. 3¾ columns.

Some Economic Features in Connection with Mining on the Witwatersrand Goldfields, South Africa. By E. P. Rathbone. T. I. M. & M., vol. 5, p. 53.

Progress of the Precious-Metal Industry in the United States Since 1880. U. S. G. S., Mineral Resources for 1891, 1892, pp. 46–94.

Mining for the Precious Metals in Mexico. Min. & Sci. Press, vol. 37, p. 37. ⅔ column.

American Gold Mines. E. & M. J., vol. 78, p. 6. 1½ columns.

Fluctuations in the Price of Silver. E. & M. J., vol. 35, p. 54. 1⅓ columns.

The Future of Gold and Silver. By J. S. Newberry. Sch. Mines Quart., vol. 9, p. 97. 12 pages.

The Age of Gold. Min. & Sci. Press, vol. 40, p. 18. 1⅓ columns.

Cause of the Decline in Silver. Min. & Sci. Press, vol. 40, p. 34. ⅞ column.

Silver Mining in Peril. Min. & Sci. Press, vol. 41, p. 402. ⅔ column.

Gold and Silver in Use. Min. & Sci. Press, vol. 43, p. 382. ¾ column.

The Age of Gold in Chile. Min. & Sci. Press, vol. 44, p. 358. 2 columns.

Values of Mines: Depreciation of Stocks — Comstock Mines. Min. & Sci. Press, vol. 36, p. 168. ½ column.

Gold vs. Silver Mining. Min. & Sci. Press, vol. 31, p. 72. 1 column.

Stoppage of Gold Mining. Min. & Sci. Press, vol. 48, p. 334. 1 column.

Exhaustion of Outcrop Mines in the Transvaal. By J. H. Curle. E. & M. J., Jan. 26, 1905, p. 191. 2½ columns.

The Economist, London, Jan. 14, 1905.

Trade Outlook in South Africa. M. & M., Sept., 1902, p. 57. 1⅕ columns.

The Transvaal Crisis. E. & M. J., vol. 61, pp. 59, 81, 83, 130, 178.

The World's Production of Gold. T. I. M. & M., vol. 12, p. 260. 1 page. D.

The Future Gold Production of Western Australia. By H. C. Hoover. T. I. M. & M., vol. 13, p. 2. 19 pages.

An Estimate of the Gold Production and Life of the Main Reef Series, Witwatersrand, Down to 6,000 Feet. By T. H. Leggett and F. H. Hatch. T. I. M. & M., vol. 12, p. 39. 19 pages.

Some Remarks on the Gold Production of Nova Scotia and How it May Be Increased. By B. C. Wilson. J. M. Soc. N. S., vol. 3, p. 60. 7 pages.

Ten Years' Gold Mining. Engineering, London, vol. 79, p. 614. 1 column.

The Great Gold Mines. By T. A. Rickard. Min. & Sci. Press, vol. 94, p. 565. 5 columns. Table.

Tin Production in the Black Hills. E. & M. J., vol. 81, p. 1232. ½ column.

The Discovery and Production of Gold in California. E. & M. J., vol. 10, p. 131, 1½ columns; p. 147, 1⅓ columns; p. 168, 1½ columns; p. 168, 1¾ columns.

Notes on the Reduction of Gold Ores. By H. A. Thompson. Min. & Sci. Press, vol. 25, p. 194, 2 columns; p. 210, 2 columns; p. 230, 2 columns; p. 242, 2 columns; p. 266, 1 column; and p. 274, 2½ columns.

Gold: The Production of the World. Min. & Sci. Press, vol. 25, p. 92. ¾ column.

The Production of Gold. Min. & Sci. Press, vol. 25, p. 114. ½ column.

One Hundred Millions from the Bonanza Mines. Min. & Sci. Press, vol. 37, p. 34. 1 column.

Gold and Silver Production of the World. Min. & Sci. Press, vol. 39, p. 24. ⅓ column.

Production of Precious Metals. Min. & Sci. Press, vol. 44, p. 192, 2 columns; p. 216, 2 columns; p. 236, 2 columns; p. 248, 3 columns; p. 264, 2 columns; p. 280, 3½ columns; p. 297, 3 columns; p. 313, 3 columns; p. 329, 2½ columns; p. 345, 4 columns; p. 361, 4 columns; p. 377, ½ column.

Increased Production of Gold. By R. W. Barrell. M. & M., vol. 26, p. 455. 2 columns.

Early Silver Production in Mexico and Its Fluctuations. By F. J. H. Merrill. E. & M. J., vol. 81, p. 372. 1½ columns.

World's Production of Precious Metals. Min. & Sci. Press, vol. 75, p. 166. 1 column.

The Great Silver and Lead Mines. By T. A. Rickard. Min. & Sci. Press, vol. 94, p. 790. 3 columns. I.

The Greatest Gold-Producing Mines. By J. H. Curle. E. & M. J., vol. 76, p. 697. 2¼ columns. Table.

The World's Product of Silver. By R. W. Raymond. T. A. I. M. E., vol. 4, p. 186.

Profit per Ton of Principal Gold Mines of the World. T. I. M. & M., vol. 12, p. 277. Table.

Cripple Creek Gold Production. By E. Skewes. E. & M. J., vol. 62, p. 3. 1½ columns.

The Production of Gold and Silver in the United States. By R. W. Raymond. T. A. I. M. E., vol. 3, p. 202.

E. & M. J., vol. 51, p. 118, ½ column; vol. 52, p. 72, 2¼ columns.

Gold Production of Australia (Western). Gold Min. & Mill. in Aus., p. 513, also pp. 514, 515, 516. Tables.

Gold Production of the Rand and Dividends. Gold Mines of the Rand, p. 282. 16 pages.

Mexican Mines: Yield of Some of the Principal Ores. Min. & Sci. Press, vol. 21, p. 12. ⅔ column.

Folsom's Former Gold Yield. Min. & Sci. Press, vol. 68, p. 375. 1¾ columns.

Bullion Production of Arizona. Min. & Sci. Press, vol. 43, p. 414. 4 columns.

Production of the Cœur d'Alene Mines. E. & M. J., vol. 76, p. 163. Table.

Gold Production of Great Britain. E. & M. J., vol. 74, p. 511. 1 column.

The Transvaal Gold Production. E. & M. J., vol. 74, p. 611. ½ column.

Mexico, 1904. By J. W. Malcolmson. E. & M. J., Jan. 5, 1905, p. 33.

Production of Gold in Mexico. E. & J. M., vol. 49, p. 196. 1 column.

Mining in South Africa: The Transvaal Gold Production. By J. H. Curle. E. & M. J., vol. 76, p. 47, 3 columns; p. 84, 3⅓ columns; p. 121, 2½ columns; p. 191, 4 columns, I.; vol. 48, p. 561, ½ column.

Our Gold Producing Resources. E. & M. J., vol. 61, p. 372. 1¼ columns.

Gold Production. E. & M. J., vol. 79, p. 1048. Note.

The Function of Gold and Silver

Silver as Legal Tender. Min. & Sci. Press, vol. 27, p. 298. 1 column.

Silver Facts and Figures. Min. & Sci. Press, vol. 58, p. 480, 1¼ columns; vol. 59, p. 8, 1½ columns; and p. 28, 1½ columns.

Low Price of Silver and Its Effects. Min. & Sci. Press, vol. 57, p. 8. 1 column.

What Silver Demonetization Has Done. Min. & Sci. Press, vol. 68, p. 54. 2 columns.

The World's Gold and Silver. Min. & Sci. Press, vol. 67, p. 86. ⅔ column.

The Gold and Silver Question. Min. & Sci. Press, vol. 69, p. 164. 1½ columns.

Silver Bullion and Coin. Min. & Sci. Press, vol. 26, p. 50. ⅞ column.

The Probable Appreciation of Gold. Min. & Sci. Press, vol. 26, p. 298. ½ column.

Estimated Amount of Gold in Existence at Various Times. Min. & Sci. Press, vol. 21, p. 132. Table.

Value of Gold and Silver. Min. & Sci. Press, vol. 28, p. 232. ½ column.

Gold and Silver-Absorption. Min. & Sci. Press, vol. 27, p. 234. ½ column.

Silver Coinage. Min. & Sci. Press, vol. 27, p. 226. ⅞ column.

Where the Gold Goes. Min. & Sci. Press, vol. 31, p. 89. ¼ column.

Silver Coin. Min. & Sci. Press, vol. 32, p. 86. ¾ column.

Depreciation of Silver. Min. & Sci. Press, vol. 32, p. 248. ½ column.

Depreciation of Gold. By J. P. Norton. E. & M. J., vol. 84, p. 446. 3¾ columns.

The Silver Question. Min. & Sci. Press, vol. 32, p. 289, ⅔ column; p. 306, ⅓ column.

Dealing with the Silver Question. Min. & Sci. Press, vol. 38, p. 352. 1¼ columns.

Data on the Quantity of Gold Coined. E. & M. J., vol. 78, pp. 292, 332. Notes.

The Salt Lake "Tribune" and the Free Coinage Question. E. & M. J., vol. 53, p. 104. 1¼ columns.

The A B C of Money, Andrew Carnegie. E. & M. J., July 11, 1891.

Gold and Grain. Min. & Sci. Press, vol. 48, p. 109. 1⅔ columns.

The Silver Problem. Min. & Sci. Press, vol. 70, p. 246. 1¾ columns.

The Function of Gold. E. & M. J., vol. 75, p. 935. ½ column.

The Money Question. E. & M. J., vol. 51, p. 284. 1⅔ columns.

The Silver Question. E. & M. J., vol. 54, p. 434. 2 columns.

A Solution of the Silver Problem. E. & M. J., vol. 54, pp. 530, 553, 577.

The Condition of Silver. E. & M. J., vol. 55, p. 2. 1½ columns.

The Financial Situation and the Silver Problem. E. & M. J., vol. 55, p. 362. 1 column.

The Outlook for Silver. E. & M. J., vol. 48, p. 378. 1¼ columns.

The St. Louis Silver Convention. E. & M. J., vol. 48, pp. 492, 520.

The Silver Question, or a Chapter of Currency History. E. & M. J., vol. 48, p. 520. ⅔ column.

The Census of Gold and Silver. E. & M. J., vol. 49, p. 634. 2 columns.

How Much will Silver Rise in Price? E. & M. J., vol. 49, p. 674. 1½ columns.

The Proposed Silver Bill. E. & M. J., vol. 50, p. 720. 1⅓ columns.

The Production of Gold. E. & M. J., vol. 48, p. 286. 1 column.

The St. Louis Silver Convention. E. & M. J., vol. 48, pp. 356, 359. 2½ columns.

The Appreciation of Gold. E. & M. J., vol. 55, p. 506. 1½ columns.

Imports of Gold. E. & M. J., vol. 55, p. 578. 1 column.

Valentine's Statistics of Gold and Silver Production in 1889. E. & M. J., vol. 49, p. 87. ½ column.

The Senate Silver Bill. E. & M. J., vol. 49, p. 242. 1¼ columns.

The Future of Gold and Silver Production. E. & M. J., vol. 49, p. 608. 2 columns.

The Silver Question. E. & M. J., vol. 52, p. 40. ½ column.

The Free Coinage Question. E. & M. J., vol. 52, p. 41. 6¾ columns.

Foundations of the Free-Coinage Arguments. E. & M. J., vol. 52, pp. 66, 67, 1⅔ columns; p. 76, 1¾ columns; pp. 158, 160, 1⅔ columns; p. 166, 1½ columns.

New Coinage for Mexico. E. & M. J., vol. 79, p. 1046. ½ column.

Uniform International Coinage. E. & M. J., vol. 79, p. 1048. 1 column.

The Mexican "Free Zone." E. & M. J., vol. 80, p. 390. 2 columns.

Mexican Money. E. & M. J., vol. 80, p. 393. ⅓ column.

Government Sales of Mexican Silver. E. & M. J., vol. 79, p. 1083. ⅔ column.

The Mexican Silver Dollar. E. & M. J., vol. 82, p. 1032. 2½ columns.

A Platinum Coinage. Min. & Sci. Press, vol. 94, p. 221. 1 column.

The Mexican Peso. Min. & Sci. Press, vol. 92, p. 2. ¾ column.

The New Ratio of Exchange between Silver and Gold. E. & M. J., vol. 76, p. 744. 1⅓ columns.

Effects in Different Countries of the Gold and Silver Standards. Min. & Sci. Press, vol. 74, p. 261. 1¼ columns.

United States Gold and Silver Coinage: Worth, Ratio of Gold and Silver, etc. Min. & Sci. Press, vol. 78, p. 176. 1 column +.

The History of the Relative Values of Gold and Silver. By R. W. Raymond. E. & M. J., vol. 19, p. 350, 2½ columns; p. 369, 1⅔ columns; p. 385, 3 columns.

Silver or Gold: List of Countries, Showing Kind of Standard. Min. & Sci. Press, vol. 51, p. 291. ½ column.

Silver and Values. Min. & Sci. Press, vol. 61, p. 200. ¾ column.

Table of Assay and Coinage Values for Gold. By R. J. Holland. Min. Mag., vol. 12, p. 525. 12 columns.

Gold and Silver: Their Production, Uses, and Logical Ratio. By R. P. Rothwell. E. & M. J., vol. 60, p. 76, 5 columns, I.; p. 100, I.

Gold: Ratio at Various Times to Silver. E. & M. J., vol. 9, p. 226. 2½ columns.

The Gould Fortune: The Attempt at Cornering Gold. By B. J. Hendrick. American Magazine, Jan., 1905, p. 300. 28 columns.

Scarcity of Silver. Min. & Sci. Press, vol. 55, p. 98. 1 column.

The World's Supply of Gold and Silver. Min. & Sci. Press, vol. 55, p. 196. 2 columns.

The World's Gold Supply. Min. & Sci. Press, vol. 68, p. 393. ¾ column.

The World's Stock of Money. Min. & Eng. Rev., vol. 11.
Min. Mag., Apr., 1905, p. 372.

Relative Increase of Gold and Silver. Min. & Sci. Press, vol. 38, p. 184. 1¼ columns.

GOLD AND SILVER COMPARED WITH OTHER MINERAL PRODUCTS. Min. & Sci. Press, vol. 85, p. 323. ½ column.

THE PRECIOUS METALS: Our Future Supply — Silver. Min. & Sci. Press, vol. 27, p. 106. 1 column.

ORE SHIPMENTS FROM SAN FRANCISCO. Min. & Sci. Press, vol. 23, p. 24. 1 column.

EXHAUSTLESS GOLD REPOSITORIES. Min. & Sci. Press, vol. 52, p. 78. 2 columns.

THE MOST VALUABLE GOLD MINE IN THE WORLD. Min. & Sci. Press, vol. 18, p. 218. 1½ columns.

THE EPOCH OF SILVER. By Dan De Quille. E. & M. J., vol. 52, p. 615. 3 columns. I.

THE STOCK OF GOLD AND SILVER IN THE UNITED STATES. E. & M. J., vol. 55, p. 459. 1¾ columns.

TRADE BALANCES AND THE MOVEMENT OF GOLD. E. & M. J., vol. 55, p. 482. 3 columns.

GOLD AND SILVER ON THE PACIFIC COAST. Min. & Sci. Press, vol. 28, p. 394. 2 columns.

INCREASE IN GOLD AND SILVER BULLION YIELD. Min. & Sci. Press, vol. 34, p. 65. Note.

The Copper Trade

THE WORLD'S COPPER TRADE. By H. J. Stevens. Min. & Sci. Press, vol. 92, p. 8. 2½ columns. I.

THE COPPER RESOURCES OF THE UNITED STATES. By J. Douglas. T. A. I. M. E., vol. 19, p. 678.

LAKE SUPERIOR DEVELOPMENTS. By H. J. Stevens. M. & M., Sept., 1901, p. 71. 1½ columns.

LAKE SUPERIOR COPPER. By H. J. Stevens. M. & M., Jan., 1903, p. 277. 1½ columns.

THE WORLD'S COPPER TRADE: A Review of the Production and Trade Conditions for the Year 1902 and Prospects for 1903. By H. J. Stevens. M. & M., Mar., 1903, p. 370. 5 columns.

LAKE SUPERIOR COPPER. By H. J. Stevens. M. & M., Aug., 1902, p. 38. 1½ columns.

LAKE SUPERIOR COPPER MINES DURING 1899. By D. E. Woodbridge. M. & M., vol. 20, p. 253. 2½ columns.

FIVE YEARS' PROGRESS IN THE LAKE SUPERIOR COPPER COUNTRY. By J. F. Jackson. T. L. S. M. I., vol. 12, p. 143. 12 pages.

LAKE SUPERIOR COPPER MINING: Facts in Regard to the Enormous Production of the Region and the Large Returns in Dividends. By H. J. Stevens. M. & M., vol. 21, p. 153. 3¼ columns.

THE LAKE SUPERIOR COPPER: How It Has Expanded within a Few Years by the Opening of New Mines and the Equipment of New Mills. By H. J. Stevens. M. & M., Apr., 1901, p. 397. 2½ columns.

LAKE SUPERIOR COPPER: Work that has been Done and Improvements that are Contemplated for the Coming Year. By H. J. Stevens. M. & M., Feb., 1902, p. 315. 1½ columns.

THE WORLD'S COPPER PRODUCTION: Amount and Relative Production of the Various Countries, States and Mines. The Prospects. By Horace J. Stevens. M. & M., May, 1902, p. 465. 4 columns.

LAKE SUPERIOR COPPER: Facts in Regard to the Conditions of the Market and the Development at Some of the Principal Mines. By H. J. Stevens. M. & M., Nov., 1902, p. 170. 2 columns.

LAKE SUPERIOR ORE OUTPUT. Engineering, London, vol. 71, p. 119. 2 columns.

The Iron Trade

THE IRON-ORE SUPPLY. By J. Birkinbine. T. A. I. M. E., vol. 27, p. 519.

A Review of the Iron-Mining Industry of New York for the Past Decade. By J. C. Smock. T. A. I. M. E., vol. 17, p. 745.

Prominent Sources of Iron-Ore Supply. By J. Birkinbine. T. A. I. M. E., vol. 17, p. 715.

Lake Superior Iron Trade During 1900. By D. E. Woodbridge. M. & M., vol. 21, p. 318. 4 columns.

Iron and Steel Consumption. By G. H. Abeel. T. L. S. M. I., vol. 10, p. 27. 4 pages +.

The Canadian Iron Trade. By J. H. Bartlett. T. A. I. M. E., vol. 16, p. 129.

The Iron Ore Trade: Lake Superior for year 1902. M. & M., Feb., 1903, p. 312.

Effect of Trusts upon Lake Superior Iron Mining Industry. M. & M., Apr., 1902, p. 387. 1⅓ columns.

Early Days of the Iron Manufacture. By John Fritz. T. A. I. M. E., vol. 24, pp. 594, 877.

Ownership of the Mesabi Iron Ore Range. E. & M. J., Jan. 26, 1905, p. 170.

The Early Use of Iron. E. & M. J., vol. 62, p. 101. 1 column.

The Iron Industry in 1899. By G. E. Drummond. J. C. M. I., vol. 3, p. 118. 5 pages.

Ratio of Copper to Pig-Iron Consumption. By J. Douglas. E. & M. J., vol. 81, p. 672. 1 column. Table.

The Lake Superior Iron Ranges. By D. E. Woodbridge. E. & M. J., Jan. 5, 1905, p. 61.

Production of Lake Superior Iron Ranges. E. & M. J., vol. 79, p. 894. D.

The Production of Iron Ores in Various Parts of the World. U. S. G. S., Sixteenth Ann. Rept., pt. 3, pp. 21–218. 1894.

The Product of the Hiberna Iron-Mine, New Jersey. By J. W. Pullman. T. A. I. M. E., vol. 14, p. 904.

The Coal Trade

The Fuel-Supply of the United States. By J. Birkinbine. T. A. I. M. E., vol. 20, p. 409.

Industrial History of the Anthracite Regions. E. & M. J., vol. 73, p. 823. 2 columns.

The Commercial Aspect of Coal-Mining: President's Address. By G. A. Mitchell. T. F. I. M. E., vol. 7, p. 313. 21 pages.

The Coal Resources of the United Kingdom. By J. L. Pultz. E. & M. J., vol. 82, p. 17. 2¾ columns.

Reminiscences of the Early Anthracite-Iron Industry. By S. Thomas. T. A. I. M. E., vol. 29, p. 901.

Commercial Divisions of the Competitive Coal Markets. By H. S. Fleming. Min. Mag., July, 1904, p. 31. 18 columns.

The German Coal Cartel and Its Renewal: The Plan of Organization and the Results Accomplished by the Coal and Coke Syndicates. By F. Walker. M. & M., Feb., 1904, p. 308, 8½ columns; Mar., 1904, p. 388, 7⅓ columns.

Report of the Anthracite Coal Strike Commission. M. & M., May, 1903, p. 451.

American Coal and the French Market. M. & M., Dec., 1902, p. 225. 1¼ columns.

The Resources and Strategic Position of the Colorado Fuel and Iron Company. By L. Lewis. E. & M. J., vol. 83, p. 87. 8¼ columns. I.

Coal Trade and Miners' Wages in the United States in the Year 1888. By C. A. Ashburner. T. A. I. M. E., vol. 18, p. 122.

Increase in Bituminous Mines. M. & M., Apr., 1901, p. 400. ¼ column.

The Competition of West Virginia with Ohio Coal. By E. H. Coxe. E. & M. J., vol. 66, p. 424. 1 column.

Great Britain's Coal Supply. M. & M., Aug., 1903, p. 7.

The Anglo-Chinese Coal Developments. Engineering, London, vol. 72, p. 261. 1¾ column.

Coal in the East (Far East). Engineering, London, vol. 66, p. 180. 2 columns.

Rank of Coal-producing States in 1899. M. & M., vol. 21, p. 203. Table.

World's Product of Coal, 1898. M. & M., vol. 21, p. 195. ¾ column. Table.

American Coal in Germany. M. & M., Apr., 1902, p. 416. 1 column.

Coal Trade of Northern Brazil. M. & M., Feb., 1905, p. 333. Note.

New Supplies of Anthracite Coal. By W. E. Joyce. E. & M. J., vol. 84, p. 216. 4 columns.

The Development and Statistics of the Alabama Coal-Fields for 1887. By C. A. Ashburner. T. A. I. M. E., vol. 17, p. 206.

Coal Duties. By W. C. Milner. J. M. Soc. N. S., vol. 9, p. 130. 9 pages.

Coal. By E. W. Parker. Rept. Census Office, Mines & Quarries, 1902, p. 665. 48 columns.

Past and Future Coal Production. By E. W. Parker. M. & M., vol. 28, p. 462. 6¾ columns. I.

Production of Coal West of the Mississippi River. By J. H. Jones. E. & M. J., vol. 51, p. 406. 3 columns.

Production of Coal at Pennsylvania Anthracite Mines and Amount Consumed. E. & M. J., vol. 78, p. 538. 1⅔ columns.

British Columbia Coal (Production). E. & M. J., vol. 79, p. 1093. 1 column.

Chart Showing the Production of Anthracite Coal in the Lehigh, Schuylkill and Wyoming Regions; Anthracite, Bituminous, and Charcoal Pig Iron in the United States, and Petroleum in Pennsylvania, from 1820 to 1876. By J. H. Harden. T. A. I. M. E., vol. 5, p. 504.

Coal Production in Utah, 1886. By C. A. Ashburner. T. A. I. M. E., vol. 16, p. 356.

Coal Production in Foreign Countries. Mineral Industries, vol. 12. Min. Mag., Mar., 1905, p. 267.

Coal Production in 1900: The Different Fields; Percentages of Increase or Decrease; Use of Mining Machines; Prices; Number of Men Employed. M. & M., Oct., 1901, p. 128.

Illinois Coal Output: Production of Last Fiscal Year Exceeded that of any in the History of the State. M. & M., Apr., 1902, p. 430. ⅔ column.

The Coal Production of the United States. By R. P. Rothwell. T. A. I. M. E., vol. 5, p. 375. E. & M. J., vol. 79, p. 959. 1 column.

Amount (Total) Coal Mined in the United States. E. & M. J., vol. 84, p. 834. Note.

Miscellaneous Production

The Production of Zinc Ores in the United States. By W. R. Ingalls. E. & M. J., vol. 73, p. 476. 6 columns. I.

Production and Consumption of Spelter in 1906. By W. R. Ingalls. E. & M. J., vol. 83, p. 937. 11½ columns. I.

PRODUCTION OF TIN. Tin Deposits of the World, p. 224. 8 pages.

MINERAL PRODUCTION OF CANADA. E. & M. J., Mar. 9, 1905, p. 478. 5 columns.

TIN PRODUCTION IN BOLIVIA. E. & M. J., vol. 77, p. 244. 1 column.

THE PRODUCTION OF TIN IN VARIOUS PARTS OF THE WORLD. By C. M. Rolker. U. S. G. S., 16th Ann. Rept., pt. 3, pp. 458–538. 1895.

SOURCES OF LEAD PRODUCTION IN THE UNITED STATES. By W. R. Ingalls. E. & M. J., vol. 76, p. 815. 3½ columns.

SALT PRODUCTION IN SIBERIA. By F. Thiess. E. & M. J., vol. 68, p 217. ⅔ column.

DUMPING DEVICES

Dumps, Cradles, Tipples, etc.

DUMPING DEVICES. By W. R. Crane. E. & M. J., vol. 79, p. 702. 8½ columns. I.

CRADLE-TIP OR DUMPING CARS. 2d Geol. Survey Pa. A.C., p. 456. I.

SELF-ACTING TIPPLES (Dumps), ASHLAND MINE, MICHIGAN. T. L. S. M. I., vol. 9, p. 27.

AUTOMATIC DUMPING-CRADLES FOR MINE CARS. By H. S. Munroe. T. A. I. M. E., vol. 17, p. 564. I.

CAR CRADLE DUMP. M. & M., vol. 22, p. 217. I.

JEFFREY STEAM DUMP (Car). M. & M., vol. 20, p. 478. ½ column. I.

DUMPS AND DUMPING AT THE COAL MINES, BRILLIANT, ALABAMA. T. A. I. M. E., vol. 37, p. 499. 2 pages. I.

A DUMPING DEVICE. Min. & Sci. Press, vol. 94, p. 722. I.

COLLIERY TIPPLERS (Dumps). The Mechanical Handling of Material, p. 356. 6 pages. I.

DISCHARGING OF RAILROAD TRUCKS. The Mechanical Handling of Material, p. 278. 20 pages. I.

UNLOADING CARS BY MEANS OF COAL TIPS. The Mechanical Handling of Material, p. 298. 50 pages. I.

DUMPING DEVICES. T. N. S. I. M. & M. E., vol. 4, p. 103. 4 pages. I.

A FRAME (Tipple) FOR DUMPING CARS. Min. & Sci. Press, vol. 58, p. 413. ⅔ column. I.

DEVICE FOR DUMPING ROCK. M. & M., vol. 20, p. 327. 1 column. I.

WASTE-ROCK DUMP. M. & M., vol. 20, p. 326. I.

CAR FOR HANDLING ROCK AT MINES. By L. L. Logan. M. & M., vol. 24, p. 133. 2 columns. I.

MALISSARD-TAZA'S TIPPING-RIGS. E. & M. J., vol. 50, pp. 129, 130.

TIPPING OR DUMPING ARRANGEMENTS. The Witwatersrand Gold-Fields, p. 229. 10 pages. I.

DUMP WAGONS OR CARS USED ON THE CHICAGO DRAINAGE CANAL. Engineering, London, vol. 63, pp. 165, 207, 436. I.

MODERN COAL-TIPPLES. By J. J. Prest. T. F. I. M. E., vol. 9, p. 231. 8 pages. I.

THE LONG COAL CAR DUMPING MACHINE. E. & M. J., vol. 60, p. 444. 2 columns. I.

CAR-DUMP FOR IRON ORE CARS. E. & M. J., Mar. 30, 1905, p. 603.

BARNEY-DUMP. T. A. I. M. E., vol. 19, p. 442. I.

MINE-CAR DUMP FOR COAL BREAKER. T. A. I. M. E., vol. 19, p. 438.

AN IMPROVED CAR-DUMP. M. & M., Feb., 1904, p. 331.

Rotary Dumps

SIDE-TIPPLER (Cradle-dump). Min. Mag., vol. 12, p. 277. I.

ELECTRICALLY DRIVEN CRADLE TIPPLES. M. & M., vol. 27, p. 249. I.

CIRCULAR DUMPING CAGE. E. & M. J., vol. 44, p. 449. ½ column. I.

Side Tipplers in Coal Dumping. By F. W. Parsons. E. & M. J., vol. 82, p. 256. 1 column. I.

Turnbull's Patent Two-Speed Tipple. M. & M., vol. 18, p. 474. ⅔ column. I.

Revoluble Car-dumping Structure: A Description of the Ramsay Apparatus as Installed at Smythe Slope, Alabama. By E. Ramsay. M. & M., Sept., 1903, p. 54. 3 columns. I.

Cradle-Dump, Construction of. T. F. I. M. E., vol. 12, plate 9.

Revolving Cage Dump. T. F. I. M. E., vol. 1, plates IV, IX, and X.

Automatic Dumping Device: A Rotary Dumping Cage. Coll. Engr., vol. 12, p. 173. 2⅞ columns. I.

The Revolvable Car Dump. By E. Ramsay. E. & M. J., vol. 82, p. 734. 10⅔ columns. I.

Revolving Tipple, Broken Hill, Australia. E. & M. J., vol. 83, p. 317. I.

Handling Cars with Rolling Device for Dumping: Advantages. By E. Ramsay. E. & M. J., vol. 83, p. 912. 3¾ columns. I.

The Heyl and Patterson Rotary Dump. M. & M., vol. 28, p. 587. I.

Cradle Dump, Cactus Mill, Utah. M. & M., vol. 26, p. 340. I.

Self-dumping Cages

A Self-dumping Mine Cage. E. & M. J., vol. 67, p. 743. ¼ column. I.

Self-dumping Cage: Cars Dump in Hopper-Bottom. M. & M., vol. 18, p. 348. I.

An Automatic Dumping Frame for Shafts. (Fairbanks.) Min. & Sci. Press, vol. 85, p. 313. ½ column. I.

Dumping Cage. M. & M., vol. 20, p. 29. I.

Skip Dumps

Steel Dump for Gallows-Frame at Original Mine, Butte. E. & M. J., vol. 81, p. 514, I.; and p. 465, I.

Skip Dumps. M. & M., vol. 25, p. 551. I.

Adjustable Skip Tipping Device. By H. R. Hanley. E. & M. J., vol. 84, p. 1161. 1 column. I.

Note on a Self-dumping Water-Tank. By W. I. Pierce. T. A. I. M. E., vol. 14, p. 371.

Gunboat-Dump for Coal Breaker. T. A. I. M. E., vol. 19, p. 440, plate 29.

Skip Dumping Device. M. & M., vol. 25, p. 551. ⅓ column. I.

Dumping Device for Skips: Method of Temporarily Breaking an Incline Track to Provide a Tip. The Witwatersrand Gold-Fields, p. 235. I.

Bucket Dumps

An Automatic Bucket Dumping Device. Min. & Sci. Press, vol. 88, p. 245. ⅔ column. I.

A Self-dumping Bucket. Min. & Sci. Press, vol. 79, p. 93. 1½ columns. I.

Automatic Bucket Dumping Devices. Min. & Sci. Press, vol. 91, p. 40. 1½ columns. I.

Dumping a Sinking Bucket. M. & M., vol. 26, p. 29. 1 column. I.

Automatic Dumping Device. Min. & Sci. Press, vol. 85, p. 74. 1¼ columns. I.

Fairbanks-Morse Automatic Ore Dump. E. & M. J., vol. 73, p. 590, 1 column, I.; and M. & M., June, 1902, p. 509, ¾ column.

TECHNICAL EDUCATION

Technical Education; Engineering Schools

COMMON REQUIREMENTS FOR ADMISSION TO ENGINEERING COURSES. By F. O. Marvin. Soc. P. E. E., vol. 2, p. 39.

REPORT OF THE COMMITTEE ON STATISTICS OF ENGINEERING EDUCATION. By W. T. Magruder. Soc. P. E. E., vol. 9, p. 330; and vol. 10, p. 231.

ON THE ORGANIZATION OF ENGINEERING COURSES, AND ON ENTRANCE REQUIREMENTS FOR PROFESSIONAL SCHOOLS. By R. H. Thurston. Soc. P. E. E., vol. 6, p. 103.

ENTRANCE REQUIREMENTS FOR ENGINEERING COLLEGES. By Committee. Soc. P. E. E., vol. 8, p. 136.

ENTRANCE REQUIREMENTS FOR ENGINEERING COLLEGES. By a Committee. Soc. P. E. E., vol. 3, p. 25.

ENTRANCE REQUIREMENTS FOR ENGINEERING COLLEGES. By Committee. Soc. P. E. E., vol. 4, p. 101.

REPORT OF THE STANDING COMMITTEE ON ENTRANCE REQUIREMENTS FOR THE YEAR 1897–98. By Committee. Soc. P. E. E., vol. 6, p. 272; vol. 10, p. 197; and vol. 9, p. 263.

ELECTIVE STUDIES IN THE REGULAR ENGINEERING AND TECHNICAL COURSES. By H. S. Munroe. Soc. P. E. E., vol. 5, p. 117.

ELECTIVE COURSES IN MINING SCHOOLS. E. & M. J., vol. 60, p. 218, 1 column; p. 224, 1½ columns.

ELECTIVE STUDIES IN ENGINEERING COURSES. By C. R. Jones. Soc. P. E. E., vol. 7, p. 130.

THE ELECTIVE SYSTEM AS ADOPTED IN THE MICHIGAN MINING SCHOOL. By M. E. Wadsworth. Soc. P. E. E., vol. 3, p. 92.

THE ELECTIVE SYSTEM IN ENGINEERING COLLEGES. By M. E. Wadsworth. Soc. P. E. E., vol. 4, p. 70.

THE PROMOTION OF ENGINEERING EDUCATION AND GRADUATION REQUIREMENTS. By W. G. Raymond. Soc. P. E. E., vol. 9, p. 142.

REQUIREMENTS FOR DEGREES IN ENGINEERING COURSES. By L. S. Randolph. Soc. P. E. E., vol. 9, p. 160.

GRADUATE AND POST-GRADUATE ENGINEERING DEGREES. By P. C. Ricketts. Soc. P. E. E., vol. 2, pp. 59, 62, 75.

METHODS OF GRADING STUDENTS IN ENGINEERING COLLEGES. By C. P. Matthews. Soc. P. E. E., vol. 10, p. 57.

THE TECHNICAL INSTRUCTION OF WORKING MINERS, WITH SUGGESTIONS AS TO MINE-MANAGERS' EXAMINATIONS. By A. Forbes. T. I. M. E., vol. 25, p. 101. 8 pages.

MINING EXAMINATIONS. M. & M., vol. 27, p. 165. 3 columns.

MINING EXAMINATIONS: Their Purpose and Importance. M. & M., vol. 27, p. 168. 2½ columns.

THE STUDY OF MODERN LANGUAGES IN ENGINEERING COURSES. By T. M. Drown. Soc. P. E. E., vol. 4, p. 250.

A COURSE IN FRENCH AND GERMAN FOR ENGINEERS. By A. N. Van Daell. Soc. P. E. E., vol. 5, p. 247.

TO WHAT EXTENT SHOULD MODERN LANGUAGES BE REQUIRED IN ENGINEERING COURSES. By C. L. Crandall. Soc. P. E. E., vol. 9, p. 70.

REQUIREMENTS IN MATHEMATICS FOR ENGINEERING EDUCATION. By A. N. Talbot. Soc. P. E. E., vol. 1, p. 50.

THE CALCULUS FOR ENGINEERING STUDENTS. By F. W. McNair. Soc. P. E. E., vol. 5, p. 139.

ADVANCED ALGEBRA IN ENGINEERING AND OTHER COLLEGE COURSES. By F. L. Emory. Soc. P. E. E., vol. 7, p. 104.

WHAT SHOULD BE THE CHARACTERISTIC FEATURES OF THE TEACHING OF A COURSE IN MATHEMATICS FOR ENGINEERING STUDENTS? By A. E. Haynes. Soc. P. E. E., vol. 8, p. 308.

THE SEMINAR METHOD OF INSTRUCTION AS APPLIED TO ENGINEERING SUBJECTS. By F. P. Spalding. Soc. P. E. E., vol. 4, p. 216.

THE EFFICIENCY FACTOR IN ENGINEERING EDUCATION. By R. Fletcher. Soc. P. E. E., vol. 10, p. 13.

METHOD OF TEACHING ENGINEERING BY TEXT-BOOK, BY LECTURE, BY DESIGN, BY LABORATORY, BY MEMOIR. By C. F. Allen. Soc. P. E. E., vol. 7, p. 28.

THE PROJECTION LANTERN IN ENGINEERING EDUCATION. By C. R. Richards. Soc. P. E. E., vol. 8, p. 247.

THE VALUE OF NON-RESIDENT LECTURES ON ENGINEERING SUBJECTS. By W. D. Pence. Soc. P. E. E., vol. 10, p. 36.

CONTRIBUTIONS ON THE SUBJECT OF TECHNICAL SCHOOLS. P. E. Soc. W. Pa., vol. 17, p. 136. 18 pages.

THE ECONOMIC NEED OF TECHNICAL EDUCATION. By V. C. Alderson. J. W. Soc. E., vol. 7, p. 307. 13 pages.

LEADING TO TECHNICAL EDUCATION. By A. H. Mackay. J. M. Soc. N. S., vol. 7, p. 49. 7 pages.

SOME ASPECTS OF TECHNICAL EDUCATION. By J. E. Woodman. J. M. Soc. N. S., vol. 7, p. 65, 19½ pages; vol. 8, p. 84, 11½ pages.

TECHNICAL AND ENGINEERING EDUCATION IN INDIA. Engineering, London, vol. 79, p. 579. 4¾ columns.

THE MENTAL EQUIPMENT OF AN ENGINEER. Engineering, London, vol. 79, p. 355. ⅞ column.

SCHOOL, ENGINEERS AND EMPLOYERS. By P. B. Woodworth. J. W. Soc. E., vol. 11, p. 351. 18 pages.

THE TECHNICAL SCHOOL AND THE UNIVERSITY. By W. H. Burr. Sch. Mines Quart., vol. 28, p. 141. 8½ pages.

COMMERCIAL EDUCATION FOR ENGINEERS. By L. S. Randolph. Min. & Sci. Press, vol. 83, p. 55. ⅜ column.

THE ADVANTAGES OF A TECHNICAL EDUCATION. By C. Rodenberg. Coll. Engr., vol. 13, p. 97. 3½ columns.

TECHNICAL EDUCATION. E. & M. J., vol. 31, p. 252. 2 columns.

THE TECHNICAL SCHOOL AND THE UNIVERSITY. By H. M. Howe. E. & M. J., Feb. 2, 1905, p. 217. 3 columns.

TECHNICAL EDUCATION. By L. M. Haupt. T. A. I. M. E., vol. 5, p. 510.

THE EQUIPMENT OF ENGINEERING SCHOOLS. By R. H. Thurston. Soc. P. E. E., vol. 1, p. 152.

SOME THOUGHTS AND SUGGESTIONS ON TECHNICAL EDUCATION. By T. Egleston. T. A. I. M. E., vol. 16, p. 623.

ENGINEERING EDUCATION AND THE STATE UNIVERSITY. By W. S. Aldrich. Soc. P. E. E., vol. 2, p. 268.

THE IDEAL ENGINEERING EDUCATION. By Wm. H. Burr. Soc. P. E. E., vol. 1, p. 2.

UNSYMMETRICAL DEVELOPMENT OF ENGINEERING COURSES. By F. R. Hutton. Soc. P. E. E., vol. 3, p. 189.

SOME STATISTICS OF ENGINEERING EDUCATION. By M. E. Wadsworth. T. A. I. M. E., vol. 27, p. 712.

A QUARTER CENTURY OF PROGRESS IN ENGINEERING EDUCATION. By R. Fletcher. Soc. P. E. E., vol. 4, p. 31.

PAST AND PRESENT TENDENCIES IN ENGINEERING EDUCATION. By M. Merriman. Soc. P. E. E., vol. 4, p. 16.

THE METHOD OF TEACHING PERSPECTIVE TO ENGINEERING STUDENTS. By H. S. Jacoby. Soc. P. E. E., vol. 4, p. 261.

THE ECONOMIC ELEMENT IN TECHNICAL EDUCATION. By L. S. Randolph. Soc. P. E. E., vol. 3, p. 181.

The Present Requirements of American Engineering Colleges in Non-Professional Studies. By L. E. Reber. Soc. P. E. E., vol. 3, p. 74.

The Scope of an Engineering College. By W. G. Raymond. Soc. P. E. E., vol. 3, p. 50.

Present Favorable and Unfavorable Tendencies in Engineering Education. By P. C. Ricketts. Soc. P. E. E., vol. 1, p. 63.

Engineering Education. By H. T. Eddy. Soc. P. E. E., vol. 5, p. 11.

Engineering Education and Expansion. By W. S. Aldrich. Soc. P. E. E., vol. 7, p. 71.

The Essentials of a Technical Education. By A. L. Rice. Soc. P. E. E., vol. 7, p. 161.

Alleged Mistakes in Engineering Education and Their Remedy. By A. N. Talbot. Soc. P. E. E., vol. 10, p. 73.

The Promotion of Engineering Education. By W. G. Raymond. Soc. P. E. E., vol. 8, p. 191.

The Manual Training High School in General and in Engineering Education. By E. A. Bending. Soc. P. E. E., vol. 8, p. 295.

Business Methods in Teaching Engineering. By A. L. Rice. Soc. P. E. E., vol. 8, p. 157.

The Danger of Excessive Specialization in Undergraduate Engineering Courses. By J. C. Nagle. Soc. P. E. E., vol. 9, p. 112.

The Relations of the Technical School and the Manufacturer. By W. B. Snow. Soc. P. E. E., vol. 8, p. 213.

The Cultural Value of Engineering Education. By F. O. Marvin. Soc. P. E. E., vol. 9, p. 13.

Some Present Tendencies in Higher Technical Education. By J. B. Johnson. Soc. P. E. E., vol. 9, p. 180.

The Present Status and Tendencies of Engineering Education in the United States. By R. Fletcher. Soc. P. E. E., vol. 8, p. 181.

A Neglected Opportunity in Technical Education. By C. F. Burgess. Soc. P. E. E., vol. 9, p. 41.

The Agricultural College in Its Relation to Engineering Education. By C. S. Murkland. Soc. P. E. E., vol. 5, p. 295.

Excessive Differentiation in Engineering Courses. By E. Marburg, Soc. P. E. E., vol. 10, p. 205.

Some Phases of Engineering Education in the South. By J. J. Wilmore. Soc. P. E. E., vol. 6, p. 56.

Technical Education. Engineering, London, vol. 63, p. 10, ⅔ column; p. 58, 1 column; p. 75, ⅔ column; p. 111, 2 columns; p. 118, 1 column; p. 212, 4 columns; p. 284, 3 columns; p. 855, 3 columns; vol. 64, p. 270, 1 column; p. 295, 2¼ columns; p. 537, 1 column; vol. 66, p. 559, 2 columns; vol. 68, p. 177, 3 columns; p. 499, 1¾ columns; vol. 69, p. 292, 2 columns; p. 393, 2 columns; vol. 70, p. 509, ¾ column; p. 543, 1½ columns; p. 574, 4 columns; p. 608, 3½ columns; p. 633, 2⅞ columns; p. 659, 4½ columns; p. 675, 2½ columns; p. 676, 1½ columns; p. 712, ⅔ column; p. 343, 1 column; p. 477, 2 columns; vol. 71, p. 116, 3 columns; p. 88, 1 column; p. 84, 3 columns; vol. 72, p. 224, 1½ columns; p. 263, 1¾ columns; p. 619, 5 columns; vol. 76, p. 59, 1½ columns; p. 89, 4½ columns; p. 323, 2 columns; vol. 77, p. 400, 2⅓ columns.

Technical Education. T. I. M. & M., vol. 10, p. 314, 28 pages.

The Growth of American Mining-Schools and Their Relation to the Mining Industry. By S. B. Christy. T. A. I. M. E., vol. 23, pp. 444, 657.

MINING EDUCATION. E. & M. J., vol. 77, p. 836. 2¼ columns.

GERMAN AND AMERICAN TECHNICAL SCHOOLS. E. & M. J., vol. 63, pp. 231, 304, 328, 352, 376, 422.

AN AUSTRALIAN MINING SCHOOL. E. & M. J., vol. 72, p. 704. 2 columns. I.

THE SCHOOL OF MINES. By J. H. Van Amringe. Sch. Mines Quart., vol. 10, p. 338. 12 pages.

ELECTRICAL ENGINEERING AT COLUMBIA UNIVERSITY. By F. B. Crocker. Sch. Mines Quart., vol. 19, p. 175. 10 pages. I.

THE TRAINING OF ENGINEERS IN THE UNITED STATES. By W. E. Dalby and John Perry. Engineering, London, vol. 75, p. 500, 7 columns; p. 600, 9 columns; vol. 74, p. 395, 3½ columns; p. 427, 5½ columns; p. 432, 4 columns; p. 682, 3 columns; p. 820, 1 column; vol. 73, p. 17, 2 columns; p. 710, 1½ columns.

THE EDUCATION OF MINING ENGINEERS: Comparison of English with Other Schools. By G. B. Walker. T. F. I. M. E., vol. 12, p. 132, 34 pages; and p. 213, 7 pages.

RUSSIAN MINING SCHOOLS. E. & M. J., vol. 60, p. 128. ½ column.

ENGLISH EDUCATION IN THE UNITED STATES AT THE END OF THE CENTURY. By I. O. Baker. Soc. P. E. E., vol. 8, p. 11.

MINING SCHOOLS IN NEW ZEALAND. E. & M. J., vol. 66, p. 462. Note.

SOME GERMAN TECHNICAL SCHOOLS. By Storm Bull. Soc. P. E. E., vol. 2, p. 132.

THE CAMBORNE SCHOOL OF MINES, CORNWALL. E. & M. J., vol. 67, p. 472; vol. 64, p. 242.

THE STEVENS INSTITUTE OF TECHNOLOGY. By C. Sellers. Engineering, London, vol. 63, p. 391. 2¾ columns.

MINING ENGINEERS AT THE UNIVERSITY OF ILLINOIS. By T. B. Comstock. T. A. I. M. E., vol. 15, p. 589.

THE DEPARTMENT OF MINING AND METALLURGY AT THE MCGILL UNIVERSITY, MONTREAL. E. & M. J., vol. 71, p. 515. 3½ columns. I.

THE HOWARD HOUSTON HALL, UNIVERSITY OF PENNSYLVANIA. By H. W. Spangler. Soc. P. E. E., vol. 9, p. 52. I.

THE WORK OF COOPER UNION. By R. W. Raymond. E. & M. J., vol. 51, p. 720. 1¾ columns.

COLUMBIA (UNIVERSITY).— 150 YEARS. E. & M. J., vol. 78, p. 698. 1¼ columns.

THE MICHIGAN COLLEGE OF MINES. By M. E. Wadsworth. T. A. I. M. E., vol. 27, p. 696.

AMERICAN STUDENTS OF MINING IN GERMANY. By J. C. Bartlett. T. A. I. M. E., vol. 5, p. 431.

THE MANCHESTER MUNICIPAL SCHOOL OF TECHNOLOGY. Engineering, London, vol. 76, p. 207. 4 columns. I.

AMERICAN MINING SCHOOLS: A Presidential Address. By R. H. Richards. T. A. I. M. E., vol. 15, pp. 309, 809.

THE INDUSTRIAL SCHOOL FOR MINERS AND MECHANICS AT DRIFTON, PENNSYLVANIA. By O. J. Heinrich. T. A. I. M. E., vol. 9, p. 390.

THE MINING AND CHEMISTRY BUILDING OF MCGILL UNIVERSITY. E. & M. J., vol. 66, p. 760. 1½ columns.

EDUCATION OF MINE SURVEYORS IN PRUSSIA. E. & M. J., vol. 67, p. 528. ½ column.

THE HISTORY OF THE ENGLISH SCHOOL OF MINES. E. & M. J., vol. 76, p. 121. 2 columns. I.

HIGHER TECHNICAL EDUCATION. E. & M. J., vol. 50, p. 159. 1½ columns.

THE HARVARD-"TECH" ALLIANCE. E. & M. J., vol. 79, p. 1005. 3½ columns.

THE COLUMBIA COLLEGE SCHOOL OF MINES. E. & M. J., vol. 10, p. 56. 1 column.

A School for Miners, Prospectors, and Smelters vs. a School of Mines in Michigan. E. & M. J., vol. 19, p. 477. 3 columns.

The Paris and Freiberg Mining Schools. By B. S. Layman. E. & M. J., vol. 6, p. 57, 2⅔ columns; p. 74, 1½ columns; p. 90, 1½ columns; p. 105, 2½ columns.

The Prussian Royal School of Mines at Berlin. E. & M. J., vol. 6, p. 361. 1 column.

School of Mines: The Name. E. & M. J., vol. 6, p. 360. ½ column.

A Threatened Removal (Columbia College). E. & M. J., vol. 14, p. 297. 2 columns.

The School of Mines, Columbia College. Min. & Sci. Press, vol. 27, p. 88. 1½ columns.

Mining Schools in Germany. Min. & Sci. Press, vol. 27, p. 6. ¾ column.

The Mining Academies of Saxony and Hungary. Min. & Sci. Press, vol. 16, p. 88. 2 columns.

British Educational Mining Institutions. Min. & Sci. Press, vol. 16, p. 162. 1½ columns.

The Colleges of Mines and Mechanic Arts at Berkeley. Min. & Sci. Press, vol. 37, p. 385. 1 column.

The Mining School at Berkeley, California. Min. & Sci. Press, vol. 41, p. 88. 1 column.

The Royal School of Mines: Its Absorption. E. & M. J., vol. 81, p. 378. 2 columns.

The Mining School at Camborne, Cornwall. By E. Walker. E. & M. J., vol. 83, p. 606. 3 columns. I.

The Department of Metallurgy and Economic Geology in the United States National Museum. By F. P. Dewey. T. A. I. M. E., vol. 19, p. 232.

The Mining Department of the University of Birmingham. By R. A. S. Redmayne. T. I. M. E., vol. 28, p. 465. 68 pages. I.

Mining Education on the Rand. E. & M. J., vol. 77, p. 388. 1 column.

Technical Instruction in Europe. E. & M. J., vol. 41, p. 205. 1 column.

School of Mines of the Witwatersrand. By J. Daniell. J. C. & M. Soc. S. A., vol. 2, p. 156, 7 pages; p. 208, 4 pages; p. 217, 5 pages.

Mining Education in the Victoria University of Manchester. By G. H. Winstanley. T. I. M. E., vol. 30, p. 437. 7 pages.

Education and Training of Engineers. T. I. M. E., vol. 30, p. 485. 22 pages.

College View of Mining Graduate. By F. W. McNair. T. L. S. M. I., vol. 7, p. 101. 6 pages.

A Bill to Aid States in Maintaining Mining Schools. M. & M., Jan., 1902, p. 259.

The Education of Mining Engineers. By J. W. Gregory. T. I. M. E., vol. 31, p. 502. 24 pages.

The Education of Mining and Metallurgical Engineers. By J. B. Porter. J. C. M. I., vol. 9, p. 143. 10⅓ pages.

The Education of Mining Engineers in the United States. By H. Eckfeldt. T. I. M. E., vol. 29, p. 401. 18 pages.

An Outline of Mining Education in New Zealand. T. I. M. E., vol. 29, p. 418. 6½ pages.

Mining Schools and Their Graduates. Min. & Sci. Press, vol. 94, p. 657. 3¾ columns.

Present Problems in the Training of Mining Engineers. By S. B. Christy. T. A. I. M. E., vol. 36, p. 424. 30 pages.

Mining Education: The Freiberg School of Mines; The Paris School of Mines; The Prussian Royal School of Mines, Berlin; The Clausthal School of Mines, Prussia. The Mines of the West, by R. W. Raymond, p. 224. 27 pages.

The Training of the Mining Engineer. Min. & Sci. Press, vol. 72, p. 86. 2⅔ columns.

Technical Education of Miners. Min. & Sci. Press, vol. 35, p. 300. 1 column.

Training of Mining Engineers. By S. B. Christy. M. & M., vol. 26, p. 324, 4 columns; p. 272, 5½ columns.

Is the Multiplication of Mining Schools Justifiable? By A. H. Purdue. M. & M., vol. 26, p. 411. 2¾ columns.

Scientific Education to Miners. E. & M. J., vol. 10, p. 255. 4 columns.

Training of Mining Engineers. By S. B. Christy. M. & M., vol. 26, p. 237. 4 columns.

Technical Education. E. & M. J., vol. 77, p. 876. 1½ columns.

Does It Pay to Grind? E. & M. J., vol. 78, p. 1026. 14 columns.

Graduates of Mining Schools. By S. B. Christy. E. & M. J., vol. 55, p. 153. 2 columns.

How to Win Fortune. By A. Carnegie. E. & M. J., vol. 49, p. 451. 1 column.

A New Departure in Mining Education: Columbia Combination Summer School. E. & M. J., vol. 77, p. 230. ⅔ column.

Graduates of Mining Schools. E. & M. J., vol. 80, p. 1078, 1½ columns; p. 1029, 2 columns; p. 693, 3½ columns; and p. 546, 2 columns.

A Working Mine as an Adjunct to the Mining School. By C. R. Keyes. E. & M. J., vol. 77, p. 8. 1½ columns.

Freiberg (Conditions of Mining School). E. & M. J., vol. 77, p. 3. ½ column.

Training Schools for Prospectors and Miners. E. & M. J., vol. 46, p. 2, 1 column; p. 20, 1 column.

The Growth of American Mining Schools and Their Relation to the Mining Industry. By S. B. Christy. Soc. P. E. E., vol. 1, p. 118.

The Education of Mining Engineers, Surveyors, Metallurgists and Iron Metallurgists in Germany: The Mining Schools and Their Courses. By J. J. Monaghan. M. & M., June, 1902, p. 511. 4⅕ columns.

A Course in Mining Engineering. By R. Chauvenet. Soc. P. E. E., vol. 3, p. 313.

Technical Education in Mining. By H. Louis. T. I. M. E., vol. 15, p. 5. 36 pages.

The Training of a Mining Engineer. By R. A. S. Redmayne. T. I. M. E., vol. 24, p. 243. 12 pages.

The Extent to which Metallurgy Should be Taught in Mechanical Engineering Courses. By M. E. Corby. Soc. P. E. E., vol. 5, p. 262.

The Education of a Metallurgist. By S. Shaw. T. F. I. M. E., vol. 12, p. 488. 18 pages.

The Training of Technical Chemists. By J. B. F. Herreshoff. E. & M. J., vol. 77, p. 634. 1½ columns.

The Training of Chemists. E. & M. J., vol. 77, p. 755. 1½ columns.

Metallurgical Chemistry in Mining Schools. E. & M. J., vol. 63, p. 566. 1¼ columns.

Chemical Engineering. By J. M. Ordway. Soc. P. E. E., vol. 5, p. 187.

Notes on Quantitative Analysis for Mining Engineers. By E. H. Miller. Sch. Mines Quart., vol. 25, pp. 21, 119, and 221.

The Subdivision of the Field of Chemical Engineering. By E. Orton. Soc. P. E. E., vol. 10, p. 134.

Electrochemistry as an Engineering Course. By C. F. Burgess. Soc. P. E. E., vol. 10, p. 124.

A Course in Sanitary Engineering. By C. C. Brown. Soc. P. E. E., vol. 3, p. 275.

The Education of Civil Engineers for Railroad Service. By C. F. Allen. Soc. P. E. E., vol. 2, p. 251.

The Need of More Extended Professional Study, with Special Reference to Present Courses in Structural Engineering. By E. Marburg. Soc. P. E. E., vol. 2, p. 186.

A Specialized Course in Geodetic Engineering. By M. Merriman. Soc. P. E. E., vol. 3, p. 256.

Some Notes upon Civil Engineering Education with Special Application to Japan. By J. A. L. Waddell. Soc. P. E. E., vol. 4, p. 51.

A Course in Municipal and Sanitary Engineering. By A. N. Talbot. Soc. P. E. E., vol. 4, p. 292.

A General Course in Civil Engineering. By C. L. Crandall. Soc. P. E. E., vol. 3, p. 268.

A Course in Highway Engineering for Civil Engineers. By W. R. Hoag. Soc. P. E. E., vol. 6, p. 290.

The Claims of Sanitary Science to a Place in the Curriculum of Engineering Education. By W. T. Sedgwick. Soc. P. E. E., vol. 6, p. 300.

Biology for Civil Engineers. By G. C. Whipple. Soc. P. E. E., vol. 4, p. 298.

Minor Considerations Affecting the Arrangement of a Course of Study in Civil Engineering. By H. S. Jacoby. Soc. P. E. E., vol. 8, p. 223.

Minimum Requirements for Graduation from a Curriculum of Civil Engineering. By R. Fletcher. Soc. P. E. E., vol. 9, p. 151.

The Training of Engineers for the Maintenance of Way Department on Railroads. By J. C. Nagle. Soc. P. E. E., vol. 6, p. 257.

A Course of Instruction in Irrigation Engineering. By E. Mead. Soc. P. E. E., vol. 10, p. 108.

Irrigation Engineering. By H. M. Wilson. Sch. Mines Quart., vol. 11, p. 102. 12 pages.

A Course in Electrical Engineering. By R. B. Owens. Soc. P. E. E., vol. 5, p. 40.

Secondary Technical Education in Mechanical and Electrical Lines. By A. L. Williston. Soc. P. E. E., vol. 8, p. 102.

The Arrangement of Electrical Engineering Courses. By J. P. Jackson. Soc. P. E. E., vol. 9, p. 25.

Electricity in Engineering Courses Other than Electrical. By J. P. Jackson. Soc. P. E. E., vol. 6, p. 202.

The Engineering Educational Value of a Refrigerating Plant. By W. T. Magruder. Soc. P. E. E., vol. 7, p. 55.

A Course in Mechanical Engineering: Subjects to be Treated and Time Given to Each. By H. W. Spangler. Soc. P. E. E., vol. 3, p. 284.

A Course in Astronomy for Engineering Students. By G. C. Comstock. Soc. P. E. E., vol. 3, p. 246.

A Course in Biological Sciences for Engineering Students. By C. W. Hall. Soc. P. E. E., vol. 3, p. 261.

The Instruction in Architectural Drawing at Columbia University. By W. R. Ware. Sch. Mines Quart., vol. 17, p. 226, 10 pages, I.; p. 366, 12 pages, I.

The Direct Study of Thermodynamics. By S. A. Reeve. Soc. P. E. E., vol. 6, p. 234. I.

Correspondence and Trade Schools

The Availability of Correspondence Schools as Trade Schools. By D. C. Jackson. Soc. P. E. E., vol. 9, p. 97.

The Possibilities of Correspondence Instruction. By G. A. Goodenough. Soc. P. E. E., vol. 8, p. 315.

The Correspondence School in Technical Education. By E. Marburg. Soc. P. E. E., vol. 7, p. 80.

CORRESPONDENCE SCHOOLS. By R. P. Rothwell. T. A. I. M. E., vol. 29, pp. 338, 1024.

E. & M. J., vol. 67, pp. 465, 495.

THE INTERNATIONAL CORRESPONDENCE SCHOOLS, SCRANTON, PENNSYLVANIA, WITH SPECIAL REFERENCE TO THE COURSES IN MINING. By H. H. Stoek. T. A. I. M. E., vol. 28, p. 746.

CORRESPONDENCE SCHOOLS. E. & M. J., vol. 67, p. 2. 1 column.

MANUAL TRAINING AND TRADE SCHOOLS. E. & M. J., vol. 56, p. 74. ⅞ column.

AN APPRENTICE SYSTEM IN COLLEGE SHOPS. By O. P. Hood. Soc. P. E. E., vol. 7, p. 62.

Theory and Practice

GRAPHIC METHODS IN ENGINEERING EDUCATION. By L. M. Hoskins. Soc. P. E. E., vol. 3, p. 101.

GRAPHICAL SOLUTION OF MINING PROBLEMS: Methods and Apparatus by which the Labor of Calculation can be Materially Reduced. By Leo Gluck. M. & M., vol. 21, p. 192. 4½ columns. I.

THE TEACHING OF ENGINEERING, SPECIFICATIONS AND THE LAW OF CONTRACTS TO ENGINEERING STUDENTS. By J. B. Johnson. Soc. P. E. E., vol. 2, p. 109.

TEACHING MACHINE DESIGN. By J. H. Barr. Soc. P. E. E., vol. 2, p. 236.

A COURSE OF INSTRUCTION IN ENGINEERING MATERIALS. By J. B. Johnson. Soc. P. E. E., vol. 3, p. 384.

THE TEACHING OF MACHINE DESIGN. By J. J. Flather. Soc. P. E. E., vol. 5, p. 200.

ÆSTHETICS IN ENGINEERING DESIGN. By R. Sturgis. Soc. P. E. E., vol. 9, p. 209.

THE USE OF A TABLE OF SQUARES, CUBES, SQUARE ROOTS, CUBE ROOTS, ETC. M. & M., Feb., 1902, p. 325. 2 columns.

FORMULÆ FOR INTERPOLATION. Engineering, London, vol. 63, p. 398. 3 columns.

FAULTY FORMULÆ. By H. W. Halbaum. M. & M., vol. 18, p. 122. 7 columns.

THE THEORY OF THE HATCHET PLANIMETER. Machinery, vol. 12, p. 520. 4 columns. I.

AN ELEMENTARY LECTURE ON THE METHOD OF LEAST SQUARES. By H. S. Jacoby. Sch. Mines Quart., vol. 25, p. 287. 16 pages.

METHODS OF MEASURING ANGLES BY ARCS AND BY SINGLE ANGLES. By C. G. Massa. Sch. Mines Quart., vol. 13, p. 125. 8 pages.

FIND ANY ONE QUANTITY IN A SERIES OF NUMBERS WHERE EACH SUCCEEDING ONE IS TWICE THE FORMER. M. & M., Aug., 1902, p 22.

CONSTRUCTING MINE CROSS SECTIONS WITH THE AID OF THE POCKET SLIDE RULE. By Leo Gluck. M. & M., vol. 21, p. 161. 1¼ columns. I.

FIELD PRACTICE AND FIELD EQUIPMENT. By C. D. Jameson. Soc. P. E. E., vol. 1, p. 232.

A PRESENT NEED IN THE ENGINEERING PROFESSION. By W. B. Potter. T. A. I. M. E., vol. 17, p. 380.

MODERN ENGINEERING. E. & M. J., vol. 77, p. 270. 2 columns.

ENGINEERING RELATIONS OF THE YELLOWSTONE PARK. By T. B. Comstock. T. A. I. M. E., vol. 16, p. 46.

A MODEL PROSPECTUS. E. & M. J., vol. 66, p. 516. 1½ columns.

SOURCES FROM WHICH INFORMATION CAN BE DRAWN. T. A. I. M. E., vol. 21, p. 383.

THE SLIDE-RULE IN EVERY DAY WORK. By A. Ballard. M. & M., vol. 19, p. 60. 4½ columns. I.

GEOLOGY IN PRACTICAL LIFE. By W. W. Watts. E. & M. J., vol. 76, p. 617. 1 column.

SOME MINING EXPERTS. Min. & Sci. Press, vol. 70, p. 133. 1½ columns.

MINERS AND EXPERTS. Min. & Sci. Press, vol. 66, p. 52. 1 column.

SCHOOL EXPERTS AND PRACTICAL MINERS: A Comparison. Min. & Sci. Press, vol. 53, p. 34, ¾ column; p. 67, ¼ column.

THE COLLEGE MAN IN MINING. M. & M., vol. 27, p. 23. 1 column.

TO WHAT EXTENT AND IN WHAT DIRECTION IS IT DESIRABLE FOR A PROFESSOR OF ENGINEERING TO ACCEPT ENGINEERING EMPLOYMENT? By C. F. Allen. Soc. P. E. E., vol. 9, p. 227.

TO WHAT EXTENT SHOULD ENGINEERING TEACHERS ENGAGE IN OUTSIDE WORK? By W. Kent. Soc. P. E. E., vol. 9, p. 240.

TECHNICAL INSTRUCTION AND PRACTICE. E. & M. J., vol. 63, p. 596. ¾ column.

Societies, Periodicals and Expositions

FIRST INSTITUTE OF MINING ENGINEERS. By B. H. Brough. M. & M., vol. 20, p. 284. 4 columns.

ENGINEERING PERIODICALS. By H. W. Hibbard. E. & M. J., vol. 83, p. 233. 2 columns.

TRADE LITERATURE: Trade Write-Ups, etc. E. & M. J., vol. 79, p. 1052. 1½ columns.

A PLEA FOR GREATER SIMPLICITY IN THE LANGUAGE OF SCIENCE. By T. A. Rickard. E. & M. J., vol. 72, p. 298. 3 columns.

USE OF SCIENTIFIC BOOKS BY EXPERT WITNESSES. The Engineering Record, vol. 38, p. 23. 1⅓ columns.

THE INFLUENCE OF THE TECHNICAL SCIENCES UPON GENERAL CULTURE. By F. Reuleaux. Sch. Mines Quart., vol. 7, p. 67. 28 pages. I.

SOME THOUGHTS RELATING TO THE AMERICAN INSTITUTE OF MINING ENGINEERS AND ITS MISSION. By W. B. Potter. T. A. I. M. E., vol. 17, p. 485.

THE INADEQUATE UNION OF ENGINEERING SCIENCE AND ART. By A. L. Holley. T. A. I. M. E., vol. 4, p. 191.

THE DEVELOPMENT OF TECHNICAL SOCIETIES. By J. Birkinbine. T. A. I. M. E., vol. 21, p. 962.

THE PURPOSES OF THE AMERICAN MINING CONGRESS. By J. H. Richards. E. & M. J., vol. 78, p. 338. 5½ columns.

THE IRON AND STEEL INSTITUTE: An Address. By R. W. Raymond. E. & M. J., vol. 78, p. 660. 3 columns.

GREAT EXPOSITIONS AS AIDS TO MINING. E. & M. J., vol. 74, p. 343. 1 column.

MINING EXHIBITS AT THE JAMESTOWN EXPOSITION. By H. C. Brown. E. & M. J., vol. 83, p. 910. 6 columns. I.

THE MINING INDUSTRY AS ILLUSTRATED AT THE VIENNA EXPOSITION. By R. W. Raymond. T. A. I. M. E., vol. 2, p. 131.

Experimentation and Research

THE VALUE OF RESEARCH. By G. L. Bigelow. E. & M. J., vol. 77, p. 874. 1¼ columns.

ON ORIGINAL RESEARCH BY STUDENTS IN UNDERGRADUATE COURSES IN ENGINEERING, ESPECIALLY CIVIL ENGINEERING. By C. D. Marx. Soc. P. E. E., vol. 1, p. 207.

THE CONSERVATION OF GOVERNMENT ENERGY THROUGH EDUCATION AND RESEARCH. By C. W. Hall. Soc. P. E. E., vol. 4, p. 174.

AT WHAT POINT SHOULD STUDENTS ENGAGE IN SPECIFIC RESEARCH, AND HOW MUCH AID SHOULD BE GIVEN BY THE PROFESSOR? By C. D. Marx. Soc. P. E. E., vol. 5, p. 47.

The Influence of Scientific Research upon the Development of Chemical Technology. By H. Bunte. Soc. P. E. E., vol. 5, p. 161.

Original Investigations by Engineering Schools a Duty to the Public and to the Profession. By A. Marston. Soc. P. E. E., vol. 8, p. 235.

Research and Publication Among Engineering Teachers. By W. S. Aldrich. Soc. P. E. E., vol. 9, p. 249.

An Experimental Colliery. By H. Briggs. E. & M. J., vol. 82, p. 207. 5 columns. I.

Colliery Experimental Work of the Geological Survey: Testing Explosives, Gas, etc. By C. Hill. E. & M. J., vol. 83, p. 1200. 3 columns.

Summer School Work

Summer School of Practical Mining. By S. B. Christy. T. A. I. M. E., vol. 36, p. 439. 6 pages.

An Experiment in the Conduct of Field Practice. By F. O. Marvin. Soc. P. E. E., vol. 4, p. 317.

A Few Mistakes in the Conduct of College Field Practice. By O. V. P. Stout. Soc. P. E. E., vol. 2, p. 180.

Vacation Work. By A. E. Burton. Soc. P. E. E., vol. 1, p. 287.

Summer School of Mining, Columbia College School of Mines. By C. S. Herzig. Coll. Engr. & Met. Miner, vol. 15, p. 9. 1½ columns.

A Summer School in Practical Mining. By H. S. Munroe. T. A. I. M. E., vol. 9, p. 664.

Summer School in Surveying (University of California). By C. Derleth. Min. & Sci. Press, vol. 91, p. 207. 3½ columns.

Definitions and Terms

Useful Definitions. By S. F. Emmons. Min. & Sci. Press, vol. 93, p. 355. 4 columns.

Agreement on Definition of Engineering Terms. By T. Gray. Soc. P. E. E., vol. 4, p. 60.

Ore: A Definition. E. & M. J., Jan. 12, 1905, p. 91.

Definition of "The Engineer." By E. B. Coxe. Sch. Mines Quart., vol. 9, p. 346. 10 pages.

The Use of Mining Terms. Min. & Sci. Press, vol. 35, p. 152. 1⅓ columns.

Australian Mining Terms. E. & M. J., vol. 55, p. 390. ⅓ column.

Proposed Nomenclature and Notation in Practical Thermics. E. & M. J., vol. 48, p. 522, 2½ columns; and p. 546, 3 columns.

A Glossary of Mining and Metallurgical Terms. By R. W. Raymond. T. A. I. M. E., vol. 9, p. 99.

A Glossary of Spanish-American Mining and Metallurgical Terms. By Arthur S. Dwight. T. A .I. M. E., vol. 32, p. 570.

A Glossary of Common Words used in Concentration and Washing Ores. M. & M., Dec., 1904, p. 266.

Spanish-American Mining Terms. By H. E. West. Min. & Sci. Press, vol. 94, p. 156. 2¾ columns.

Miners' "Pups": A Term Applied to Furrows and Gullies on the Sides of a Valley, Yukon District. U. S. G. S., 18th Rept., pt. 3, p. 321, ½ page; also p. 324, ¼ page.

Definitions of "Solid Rock," "Loose-Rock," "Earth," etc. Eng.-Cont., vol. 27, p. 46. 2 columns.

Mining Definitions. Min. & Sci. Press, vol. 79, p. 257. ½ column.

California: Origin of the Name. Min. & Sci. Press, vol. 57, p. 327. 1⅓ columns.

Mining Terms ("Chutes" and "Shoots"): Derivations. Min. & Sci. Press, vol. 53, p. 36. 1 column.

What is a Mine? Min. & Sci. Press, vol. 57, p. 21. 1 column.

Origin of the Name "Tram" Road. Coll. Engr., vol. 12, p. 198. ⅓ column.

Cramming, Definition of. Am. Jour. Min., vol. 7, p. 57. ¾ column.

Classification (and Definitions) of Passages in Mines. E. & M. J., vol. 23, p. 14.

Careless Use of Technical Terms. E. & M. J., vol. 77, p. 915. 1 column.

A Definition of Slimes. By W. A. Prichard. E. & M. J., Feb. 16, 1905, p. 333. 1½ columns.

What is a Slime? E. & M. J., vol. 78, p. 703. 1 column.

Slimes: A Definition. E. & M. J., vol. 78, p. 978. 1 column.

Basalt, Gangue and Andesite: Derivation, etc. E. & M. J., vol. 77, p. 954. Notes.

Mexican Mining Terms. E. & M. J., vol. 78, p. 700. Note.

Definition of Unit of Metal. E. & M. J., vol. 48, p. 406, Note; and p. 448, Note.

Definition of Some Mining Terms. E. & M. J., vol. 78, p. 381. 1½ columns.

What is a "Mineral"? E. & M. J., vol. 53, p. 468. 1 column.

Vug and Resue. By R. A. Thomas. E. & M. J., vol. 76, p. 387. 2 columns.

Drawing, Blue-printing, etc.

Blue Printing by Electric Light. By S. B. Whinery. P. E. Soc. W. Pa., vol. 17, p. 244. 18 pages. I.

Frame for Large Blue Prints. By W. B. Parsons. Sch. Mines Quart., vol. 5, p. 49. 2 pages.

Note on the "Blue" Process of Copying Tracings. By P. Barnes. T. A. I. M. E., vol. 6, p. 197.

The Ives Process of Photo-Mechanical Engraving, and Its Usefulness to Engineers. By R. W. Raymond. T. A. I. M. E., vol. 15, p. 266.

Engineering Heliography, or the Sun-Print Copying of Engineering Drawings. By B. H. Thwaite. T. F. I. M. E., vol. 9, p. 69. 20 pages. I.

Washing Blue-Prints. E. & M. J., vol. 81, p. 668. Note.

The Duplication of Drawings: Blue Printing. Min. & Sci. Press, vol. 77, p. 657. 3 columns +. I.

Drawing Table (Transparent) for Tracing Blue Prints. Machinery, vol. 12, p. 540. ½ column. I.

How to Make Blue Prints, etc. Min. & Sci. Press, vol. 87, p. 153. 2½ columns. I.

Waterproofing of Blueprints. E. & M. J., vol. 84, p. 1076. Note.

"Short Cut" Method for Describing Gear Teeth. Min. & Sci. Press, vol. 34, p. 105. 2¾ columns. I.

Drawing for Engineering Students. By C. S. Denison. Soc. P. E. E., vol. 1, p. 270.

Mechanical Drawing in Technical Schools. By J. J. Flather. Soc. P. E. E., vol. 2, p. 113.

The True Place of Drawing and Shop-Work in Engineering Colleges. By C. H. Benjamin. Soc. P. E. E., vol. 3, p. 126.

Drawing, Shop-work, and Engineering Laboratory Practice in Engineering Colleges. By H. E. Smith. Soc. P. E. E., vol. 7, p. 176. I.

Conventional Sections for Draughtsmen. E. & M. J., vol. 68, p. 785. ⅔ column. I.

An Improved Protractor: Draughting. By R. F. Percy. T. F. I. M. E., vol. 12, p. 585. 2 pages. I.

Lester's Transparent Drawing-Board. Engineering, London, vol. 77, p. 861. I.

Copying Drawings. E. & M. J., vol. 48, p. 184. Note.

The Mounting and Use of a Spherical Blackboard. By A. E. Haynes. Soc. P. E. E., vol. 6, p. 69. I.

Instruments for Projection Drawing. By J. M. Silliman. T. A. I. M. E., vol. 10, p. 261.

Adjustable Curves for Draughtsmen. Engineering, London, vol. 71, p. 155, ½ column, I.; vol. 68, p. 124, ¼ column, I.

Erasing Machine (Draughting). By G. S. Hersenbruch. E. & M. J., vol. 80, p. 121. 1 column. I.

India Ink: Composition, etc. E. & M. J., vol. 38, p. 381. Note.

Device for Making Screw Thread and Propeller Patterns. Min. & Sci. Press, vol. 35, p. 113. ½ column. I.

An Instrument for Drawing Ellipses. E. & M. J., vol. 6, p. 18. I.

The Slide Rule. By E. Thacher. P. E. Soc. W. Pa., vol. 1, p. 289. 22 pages.

Drawings of Coal-Seams and Timber, Cars, Disturbances, etc. T. F. I. M. E, vol. 12. I.

Free-hand Drawing: In Passage Underground, Showing Men at Work. T. I. M. E., vol. 20, plate I.

Taste and Judgment in Freehand Mining Sketching. M. & M., Mar., 1903, p. 375. 1⅓ columns.

Sketching Mineral Veins: What can be shown; Conventional Methods of Representing Different Rocks and Minerals or Sketches. By A. Lakes. M. & M., Oct., 1904, p. 141.

Landscape Drawing. T. A. I. M. E., vol. 18, p. 253.

Free-Hand Drawing: Coal Surfaces and Men. T. I. M. E., vol. 23, pp. 313, 315, 317, 319, 321, 323, 325, 327, 329, 331, 333, 335, 336, 337. I.

Mining Sketches. By A. Lakes. M. & M., vol. 26, p. 111. 4¼ columns. I.

Free Hand Drawing: A Type. E. & M. J., vol. 67, p. 81, I.; vol. 65, p. 41, I.

Weights and Measures

American Equivalents of English Prices. By W. R. Ingalls. E. & M. J., vol. 71, p. 244. ⅞ column.

The United States Prototype Standards of Weights and Measures. By T. C. Mendenhall. T. A. I. M. E., vol. 18, p. 716.

Mexican Weights and Measures. By R. E. Chism. T. A. I. M. E., vol. 15, pp. 122, 588.

The National Bureau of Standards: An Institution Having Charge of the Standards of Length, Weight, and Measures for All Practical and Scientific Purposes. By S. W. Stratton. M. & M., Jan., 1903, p. 262. 4 columns.

Symbols

The Desirability of Uniformity in the Use of Mathematical Symbols and Terms, and How to Secure Such Uniformity. By A. E. Haynes. Soc. P. E. E., vol. 7, p. 144.

Uniformity of Symbols. By Committee. Soc. P. E. E., vol. 5, p. 53.

Report of a Committee to Coöperate in Standardizing Abbreviations, Symbols, Punctuation, etc., in Technical Papers. T. A. I. M. E., vol. 35, p. 342. 5 pages.

Electrical Engineering Symbols. By D. C. Jackson. Soc. P. E. E., vol. 5, p. 55.

Mechanical Engineering Symbols. By Wm. Kent. Soc. P. E. E., vol. 5, p. 67.

Symbols for Statics, Dynamics, Strength and Elasticity of Materials, Hydraulics and Thermodynamics. By J. Galbraith. Soc. P. E. E., vol. 5, p. 77.

Symbols for Strength of Materials, Framed Structures, Masonry, and Surveying. By J. B. Johnson. Soc. P. E. E., vol. 5, p. 84.

Models of Mines and Machinery

Wire Mine Models. Min. & Sci. Press, vol. 44, p. 128. ⅔ column.

An Interesting Mine Model: The New Almaden Quicksilver Mines. Min. & Sci. Press, vol. 29, p. 136. ⅔ column.

Mine Models. Min. & Sci. Press, vol. 48, p. 365. 1 column.

Topographical Models: Their Construction and Uses. By A. E. Lehman. T. A. I. M. E., vol. 14, p. 439.

Mine Model. Min. & Sci. Press, vol. 34, p. 337. ¼ column.

A New Method of Making Mine Models. By W. I. Evans. E. & M. J., vol. 58, p. 293. ½ column.

Model of Aspen Mountain. E. & M. J., vol. 46, pp. 22, 42, 43.

Model of Mine No. 18, Jenny Lind, Arkansas. E. & M. J., vol. 77, p. 559.

Model of Diamond Mine. E. & M. J., vol. 42, p. 26. Note.

Glass Models of Portland Mine: A Convenient Means for Plainly Illustrating Mine-Workings, and Geological Features. By F. M. Kurie. M. & M., Feb., 1904, p. 307. 2 columns.

Glass Model of the Mines on the Lahn in Nassau, Germany. E. & M. J., vol. 54, p. 415. I.

Mine Models: The Fayal Iron Mine. M. & M., Aug., 1904, p. 32. I.

Model of Ore Veins and Works, G. V. Ex. Co. and Penn. M. Co., Grass Valley, California. Min. & Sci. Press, vol. 83, p. 41, I.; and p. 44, I.

The Franklinite Ore Body (Model). T. A. I. M. E., vol. 24, p. 127.

Model of the Baltic Mine: Showing the Filling System.

Drawing Showing Long Section of the Filling System of Mining at the Baltic Mine. T. L. S. M. I., vol. 12, pp. 110, 111. I.

New Use for a Mine Model. Min. & Sci. Press, vol. 87, p. 247. ⅓ column.

Concrete Mine Models. By W. R. Crane. M. & M., vol. 27, p. 300. 5 columns. I.

The Construction of Models by Students as an Aid in Teaching Descriptive Geometry. By H. S. Jacoby. Soc. P. E. E., vol. 6, p. 88.

Modeling as an Aid to Instruction in Machine Design. By G. W. Bissell. Soc. P. E. E., vol. 4, p. 273.

Models of Shaft Timbering. M. & M., vol. 27, p. 263. I.

Model of a Five-Stamp Mill, Paris Exposition. Min. & Sci. Press, vol. 80, p. 1. 1 column. I.

Machinery and Models of Mining Appliances. T. N. S. I. M. & M. E., vol. 7, p. 197. 2 pages.

Mining Exhibits at the Louisiana Purchase Exposition: The Location and General Arrangement of Those of the Various States. By A. H. Storrs. M. & M., May, 1904, p. 492. 5 columns.

Model of Gravel Washing Plant at Hidden Treasure Mine, California. Min. & Sci. Press, vol. 88, p. 207. ½ column. I.

Topographical and Geological Modelling. By W. P. Ward. T. A. I. M. E., vol. 10, p. 264.

Engineering Laboratories, Government Mint, etc.

Over-Development in Engineering Laboratory Courses. By F. P. Spalding. Soc. P. E. E., vol. 10, p. 188.

Direct Current Laboratory Work in an Electrical Engineering Course. By T. W. Springer. Soc. P. E. E., vol. 7, p. 110.

NOTE ON THE ORGANIZATION OF AN ELECTRICAL ENGINEERING LABORATORY. By H. B. Smith. Soc. P. E. E., vol. 6, p. 49.

AMOUNT AND KIND OF SHOP WORK REQUIRED IN A MECHANICAL ENGINEERING COURSE. By C. W. Marx. Soc. P. E. E., vol. 2, p. 206.

THE MODERN MECHANICAL LABORATORY, ESPECIALLY AS IN PROCESS OF EVOLUTION IN AMERICA. By R. H. Thurston. Soc. P. E. E., vol. 8, p. 331.

THE HYDRAULIC LABORATORY OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY. By D. Porter. Soc. P. E. E., vol. 1, p. 177.

THE MINING AND METALLURGICAL LABORATORIES OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY. Min. & Sci. Press, vol. 26, p. 294. 1 column +.

THE MINING AND METALLURGICAL LABORATORIES OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY. By R. H. Richards. T. A. I. M. E., vol. 1, p. 400.

THE EQUIPMENT OF MINING LABORATORIES. E. & M. J., vol. 77, p. 555. 5 columns.

SCHOOL LABORATORY-WORK: A Free-Milling Gold Run. By Robt. H. Richards and E. E. Bugbee. T. A. I. M. E., vol. 34, p. 478.

A MINING LABORATORY. By R. H. Richards. T. A. I. M. E., vol. 6, p. 510.

ORE TESTING WORKS, COLUMBIA. Sch. Mines Quart., vol. 6, p. 224. 12 pages. I.

LABORATORY NOTES ON TRIAL RUNS IN ORE-DRESSING. J. C. M. I., vol. 9, p. 153. 16 pages. I.

A MODERN METALLURGICAL LABORATORY: State School of Mines University of Utah. By R. H. Bradford. M. & M., Dec., 1904, p. 268.

A LABORATORY STUDY OF THE STAGES IN THE REFINING OF COPPER. By H. O. Hofman, C. E. Green and R. B. Yerxa. T. A. I. M. E., vol. 34, pp. 671, 984.

LABORATORY WORK UNDER SMELTING CONDITIONS. By K. Friedrich. E. & M. J., vol. 77, p. 478. 4 columns. I.

THE EQUIPMENT OF MINING AND METALLURGICAL LABORATORIES. By H. O. Hofman. Soc. P. E. E., vol. 3, p. 337. I.

THE EQUIPMENT OF METALLURGICAL LABORATORIES. By H. M. Howe. T. A. I. M. E., vol. 29, p. 721.

THE EQUIPMENT OF A LABORATORY FOR A SMELTING PLANT: Cost. By H. Haas. T. A. I. M. E., vol. 35, p. 653. 9 pages. I.

THE TEACHING OF METALLURGY IN COLLEGE LABORATORIES, WITH A DESCRIPTION OF THE METALLURGICAL LABORATORIES OF MCGILL UNIVERSITY. By A. Stansfield. J. C. M. I., vol. 9, p. 180. 11 pages. I.

LABORATORY EXPERIMENTS ON THE USE OF AMMONIA AND ITS COMPOUNDS IN CYANIDING CUPRIFEROUS ORES AND TAILINGS. By A. Jarman and E. Le Gay Brereton. T. I. M. & M., vol. 14, p. 289. 46 pages. I.

SOME LABORATORY EXPERIMENTS IN MAKING STEEL DIRECTLY FROM IRON ORES WITH THE ELECTRIC FURNACE. By J. W. Evans. J. C. M. I., vol. 9, p. 128. 8 pages. I.

THE EQUIPMENT OF MINING AND METALLURGICAL LABORATORIES. By H. O. Hofman. T. A. I. M. E., vol. 25, p. 301.

LABORATORY EQUIPMENT IN TECHNOLOGICAL EDUCATION. E. & M. J., vol. 77, p. 595. 2½ columns.

LABORATORY EQUIPMENT. E. & M. J., Oct. 27, 1904, p. 672.

MINIMUM LABORATORY WORK AND EQUIPMENT IN A CIVIL ENGINEERING COURSE. By D. Porter. Soc. P. E. E., vol. 2, p. 169.

The Simpkins Laboratory at Harvard. By G. S. Raymer. E. & M. J., Feb. 16, 1905, p. 325. 4 columns. I.

The Hale Engineering Experiment Station Bill. By W. S. Aldrich. Soc. P. E. E., vol. 4, p. 187.

Credit for Shop Experience in Entrance Examinations. By W. T. Magruder. Soc. P. E. E., vol. 4, p. 331.

Is Not Too Much Time Given to Merely Manual Work in the Shops? By W. H. Schuerman. Soc. P. E. E., vol. 4, p. 340.

Engineering Laboratory Courses. By R. C. Carpenter. Soc. P. E. E., vol. 5, p. 26.

The New Engineering Laboratories at the Glasgow University. Engineering, London, vol. 72, p. 330. 3 columns.

Machine Work in an Engineering College. By W. P. Turner. Soc. P. E. E., vol. 9, p. 300.

The Practicability of an Interchange of Students Between the Laboratories of Different Engineering Schools. By W. F. M. Goss. Soc. P. E. E., vol. 8, p. 326.

Laboratory Practice in American Mining Schools. E. & M. J., vol. 63, p. 477. 1 column.

The Class Room and the Laboratory in Their Mutual Adjustment to the End of the Most Efficient Instruction. By G. Lanza. Soc. P. E. E., vol. 6, p. 37.

The Organization and Conduct of Engineering Laboratories. By G. Lanza. Soc. P. E. E., vol. 2, p. 149.

Laboratory Notes and Reports. By F. C. Caldwell. Soc. P. E. E., vol. 10, p. 66.

Mining Laboratory Equipment for the Case School of Applied Science, Cleveland, Ohio. M. & M., vol. 27, p. 200. ¾ column.

The New Engineering Building. M. & M., vol. 27, p. 225. 4 pages. I.

Labor Saving Appliances in the Works—Laboratory. By E. Keller. T. A. I. M. E., vol. 36, p. 3. 15½ pages. I.

The Equipment of Laboratories for Advanced Teaching and Research in the Mineral Industries. By H. C. Jenkins. T. I. M. & M., vol. 13, p. 188. 170 pages. I.

A New Government Laboratory and Its Work. By G. Sterger and E. T. Allen. E. & M. J., vol. 73, p. 654. 7 columns. I.

The New Denver Mint. By R. L. Whitehead and F. E. Healy. M. & M., vol. 27, p. 1, 6 columns +, I.; and p. 54, 8 columns, I.

General Requirements of Engineering Education

On Education: An Address in a German University. By G. Lusk. Sch. Mines Quart., vol. 14, p. 248. 3 pages.

The Classics and Natural Sciences at a German Gymnasium. By C. A. Stetefeldt. Sch. Mines Quart., vol. 7, p. 326. 8 pages.

Elective Studies. By F. A. P. Barnard. Sch. Mines Quart., vol. 8, p. 20. 10 pages.

Some Abuse of the Lecture System. By A. W. French. Soc. P. E. E., vol. 10, p. 162.

Training of Students in Technical Literary Work. By M. Merriman. Soc. P. E. E., vol. 1, p. 259.

Methods of Studying Current Technical Literature. By J. B. Johnson. Soc. P. E. E., vol. 1, p. 265.

Graduating Thesis. By G. Lanza. Soc. P. E. E., vol. 1, p. 307.

Undergraduate Thesis Work. By E. Marburg. Soc. P. E. E., vol. 6, p. 74.

Early Instruction in Physics and Mechanics. By C. M. Woodward. Soc. P. E. E., vol. 2, p. 162.

Specifications for Text-Books. By I. O. Baker. Soc. P. E. E., vol. 3, p. 111.

Graduation, Thesis, and Degrees. By S. Bull. Soc. P. E. E., vol. 3, p. 137.

Modified Requirements for Graduation of Students Who Have Taken Full Literary College Courses. By I. N. Hollis. Soc. P. E. E., vol. 3, p. 164.

A Course of Study in Physics. By C. L. Mees. Soc. P. E. E., vol. 3, p. 211.

A Course of Study in Mechanics. By R. S. Woodward. Soc. P. E. E., vol. 3, p. 227.

Quantity vs. Quality in Smaller Colleges. By A. Kingsbury. Soc. P. E. E., vol. 4, p. 230.

Methods of Teaching. By W. H. P. Creighton. Soc. P. E. E., vol. 5, p. 104.

The Efficiency of Technical as Compared with Literary Training. By T. C. Mendenhall. Soc. P. E. E., vol. 5, p. 211.

Manual Training for Artisans. By C. M. Woodward. Soc. P. E. E., vol. 5, p. 264.

The Manual Training High School. By T. W. Mather. Soc. P. E. E., vol. 5, p. 272.

Graduation Theses: Their Preparation, Form, and Preservation. By I. O. Baker. Soc. P. E. E., vol. 5, p. 312.

American Industrial Education: What Shall It Be? By Committee. Soc. P. E. E., vol. 8, p. 28.

Personality in Teaching. By J. P. Brooks. Soc. P. E. E., vol. 8, p. 141.

The Development and Present Status of Architectural Education. By J. M. White. Soc. P. E. E., vol. 8, p. 256.

How the Graduation Thesis Can Be Made Most Effective in College Training. By W. M. Towle. Soc. P. E. E., vol. 9, p. 89.

Trades Training for Non-Technically Educated Men. By J. G. D. Mack. Soc. P. E. E., vol. 9, p. 310.

A Higher Industrial and Commercial Education as an Essential Condition of Our Future Material Prosperity. By J. B. Johnson. Soc. P. E. E., vol. 6, p. 11.

Intercollegiate Athletics. By C. M. Woodward. Soc. P. E. E., vol.10, p. 172.

Relation of Engineering Education to the Industries

A Relation of Engineering to Progress and Civilization. By F. R. Hutton. Sch. Mines Quart., vol. 15, p. 110. 5 pages.

Engineers and the Public. E. & M. J., vol. 62, p. 554.

The Training of Industrial Leaders. By J. Wertheimer. T.I.M.E., vol. 23, p. 494. 22 pages.

The Advance in Mining and Metallurgical Art, Science, and Industry Since 1875. By W. P. Shinn. T. A. I. M. E., vol. 9, p. 293.

The Value of Science and Training in the Mining Industry: Importance of Government Recognition of the Mining and Metallurgical Industries. By E. J. Babcock. M. & M., Dec., 1901, p. 220. 3½ columns.

The Characteristics and Conditions of the Technical Progress of the Nineteenth Century. By James Douglas. T. A. I. M. E., vol. 29, p. 648.

The Mechanical Engineer a Factor in Modern Mining, Milling and Smelting: Illustrations Shown at Copper Mining and Reduction Works, Butte, Mont. By C. H. Repath. M. & M., Nov., 1902, p. 173. 9 columns.

The Civil Engineer of the 20th Century. By E. L. Corthell. Soc. P. E. E., vol. 3, p. 194.

Teaching Industrial Applications of Electricity. By G. D. Shepardson. Soc. P. E. E., vol. 3, p. 309.

EXPLOSIVES FOR MINING PURPOSES

Development of Explosives

American Dynamite in South America. Min. & Sci. Press, vol. 76, p. 3. ⅞ column.

A Brief History of the Advance and Use of Explosives. By A. Kirk. P. E. Soc. W. Pa., vol. 14, p. 64. 15 pages.

History of Gun Cotton and Nitroglycerine. Min. & Sci. Press, vol. 42, p. 249. 3 columns.

The Development of Smokeless Powder. Engineering, London, vol. 70, p. 751, 1 column; vol. 71, p. 345, 2½ columns; p. 689, 3½ columns; p. 757, 6 columns; vol. 72, p. 25, 1¼ columns.

The Dynamite Situation in Mexico. E. & M. J., vol. 80, p. 1077. 2 columns.

Dynamite in Mexico. E. & M. J., vol. 78, p. 878. 1 column.

The Miners' Strike in Grass Valley: Agitation Against Dynamite. Min. & Sci. Press, vol. 18, p. 328, ⅔ column; p. 336, ⅞ column; p. 376, ⅓ column; and vol. 19, p. 41, ⅓ column.

Discovery of Nitro-Explosives. Min. & Sci. Press, vol. 60, p. 185. ¼ column.

Explosive Regulations for Cities, etc.

Explosives Regulations for the City of New York. E. & M. J., vol. 47, p. 565. 1½ columns.

New York State Law Regulating Explosives, Handling and Thawing. M. & M., vol. 19, p. 59. ¼ column.

Oregon Law on Explosives. E. & M. J., vol. 79, p. 1202. ½ column.

Mining Explosives: Their Definition as Authorized under the Explosives Act (1875). By A. C. Kayll. T. F. I. M. E., vol. 6, p. 346. 18 pages.

The Cordite Case in England. E. & M. J., vol. 57, p. 202. ½ column.

Mexican Duty on Dynamite. E. & M. J., Mar. 9, 1905, p. 475. 1½ columns.

Mexican Duty on Dynamite. By Amigo. E. & M. J., Mar. 23, 1905, p. 575. 2⅔ columns.

Kinds of Explosives

Home-made Explosives. M. & M., vol. 27, p. 448. 2¾ columns.

Gunpowder. By J. Ashworth. T. N. S. I. M. & M. E., vol. 2, p. 116, 15½ pages; and p. 146, 12 pages.

Giant and Common Powder, Use of, and Comparative Results. The Mines of the West. By R. W. Raymond, p. 33. 5 pages.

Inquiry re "Robbinite," by British Home Office: Characteristics of Various Flameless Explosives. By J. Ashworth. M. & M., vol. 27, p. 159. 5¾ columns. I.

Hall's Compressed Gunpowder Cartridges: Advantages. T. N. S. I. M. & M. E., vol. 6, p. 97. 2 pages.

Lecture on Explosive Agents. By T. Carnelley. T. N. S. I. M. & M. E., vol. 3, p. 71. 16 pages.

Blasting Gelatine. By H. Bonser. T. N. S. I. M. & M. E., vol. 6, p. 201. 4 pages.

Blasting Powder Sold in Pennsylvania Put Up in Paper Cartridges (1876). Rept. Inspr. Mines, Pa., p. 123. 4 pages.

Patent Miners' Cartridges. Rept. Inspr. Mines, Pa., 1877, p. 55. 1½ pages.

Dynamite or Giant Powder: A Brief Statement Regarding Its Character, Charging Holes and Firing. Rept. Inspr. Mines, Pa., 1873, p. 53. 2 pages.

Nitro-Glycerine and Dynamite. Min. & Sci. Press, vol. 80, p. 697. 1½ columns.

Remarks upon Judson Dynamite. Min. & Sci. Press, vol. 62, p. 217. 2 columns. I.

Tonite Powder. Min. & Sci. Press, vol. 43, p. 120. 2½ columns.

Vigorite Powder. Min. & Sci. Press, vol. 44, p. 180. 1 column.

A New Blasting Explosive—Gelatine. Min. & Sci. Press, vol. 45, p. 342. ¾ column.

A New High Grade Explosive. Min. & Sci. Press, vol. 49, p. 372. 1 column.

Giant Powder. Min. & Sci. Press, vol. 50, p. 28. 1 column.

Tonite Powder. Min. & Sci. Press, vol. 40, p. 137. 1 column.

Gun Cotton. Min. & Sci. Press, vol. 42, p. 236, 1¾ columns; p. 265, 2 columns.

High Explosives. Min. & Sci. Press, vol. 42, p. 280, 1½ columns; p. 297, 2½ columns; p. 313, 3 columns.

High Explosives. Min. & Sci. Press, vol. 38, p. 204. ½ column.

Straw Dynamite. Min. & Sci. Press, vol. 38, p. 227. ½ column.

Vulcan Blasting Powder. Min. & Sci. Press, vol. 38, p. 317. ⅔ column.

A New Blasting Compound. Min. & Sci. Press, vol. 38, p. 331. ⅓ column.

Ammonite. Coll. Engr., vol. 12, p. 28. ½ column.

Explosives for Blasting Purposes. Coll. Engr., vol. 12, p. 138. 1⅓ columns.

Explosive Agents. By F. A. Abel. E. & M. J., vol. 12, p. 178. 5 columns.

Facts about the Giant Powder: Advantages of. Min. & Sci. Press, vol. 18, p. 34. 1⅔ columns.

Hafenegger Explosive Powder: Powerful Blasting. Min. & Sci. Press, vol. 18, p. 137. 2⅓ columns.

Explosives and Their Uses. Min. & Sci. Press, vol. 18, p. 146. 1½ columns.

Gunpowder and Dynamite Blasting. Min. & Sci. Press, vol. 21, p. 289. 3⅔ columns. I.

Giant Powder. Min. & Sci. Press, vol. 30, p. 256. 1⅙ columns.

Giant vs. Hercules Powder. Min. & Sci. Press, vol. 31, p. 216. ¾ column.

Giant Powder. Min. & Sci. Press, vol. 31, p. 257. ⅔ column.

Nitroglycerine and Its Products, Dynamite and Giant Powder. Min. & Sci. Press, vol. 32, p. 18. ¾ column.

A New Dynamite for Collieries. E. & M. J., vol. 81, p. 807. ¼ column.

Nitro-Glycerine Compounds. Min. & Sci. Press, vol. 30, p. 49. 1 column. I.

A New Explosive Copper Compound. Min. & Sci. Press, vol. 32, p. 67. ¼ column.

Sebastin: A New Safety Dynamite. Min. & Sci. Press, vol. 35, p. 22. 1¼ columns.

Gun-Cotton for Blasting Purposes. E. & M. J., vol. 6, p. 401. ½ column.

Nitro-Glycerine at Freiburg. By L. H. Mitchell. E. & M. J., vol. 5, p. 265. 1⅓ columns.

"Dynamit": The New Blasting Powder. Min. & Sci. Press, vol. 16, p. 120. 1¼ columns.

More about Dynamite. E. & M. J., vol. 6, p. 75. 1½ columns.

Mining Powders: White, etc. E. & M. J., vol. 6, p. 226. Note.

Modern Explosives. E. & M. J., vol. 25, pp. 309, 346, 361.

Tri-Nitro-Glycerine at the Hoosac Tunnel. E. & M. J., vol. 18, p. 193. 2 columns. I.

A New Explosive—Dualine. Am. Jour. Min., vol. 7, p. 184. 1 column.

Haloxylin: A New Blasting Powder. Am. Jour. Min., vol. 4, p. 34. ⅔ column.

Nitro-Glycerine. Am. Jour. Min., vol. 3, p. 123. 1⅓ columns.

Terrorite: A New High Explosive. Min. & Sci. Press, vol. 62, p. 291. 1 column.

Leonard Smokeless Powder. Min. & Sci. Press, vol. 68, p. 233. ½ column.

Modern Explosives: List and Compositions. Min. & Sci. Press, vol. 69, p. 13. ½ column.

Gunpowder and Dynamite Blasting. E. & M. J., vol. 10, p. 305, 3 columns, I.; and p. 315, 1½ columns.

Explosive Materials. E. & M. J., vol. 9, p. 184. 1½ columns.

High Explosives: Their Safe and Economical Methods of Handling. By J. H. Karkeet. T. L. S. M. I., vol. 9, p. 39. 10 pages. I.

Kinetite. By W. Smith. Coll. Engr., vol. 8, p. 1. ¼ column.

The Settle Gelatine Water-Cartridge. Coll. Engr., vol. 8, p. 110. 3½ columns. I.

Hellhoffite. Coll. Engr., vol. 8, p. 229. ⅔ column.

Bellite. Coll. Engr., vol. 9, p. 100, 1½ columns; p. 170, 1¼ columns.

Carbo-Dynamite. Coll. Engr., vol. 10, p. 65. ½ column.

On Nitroglycerine. By A. H. Elliott. Sch. Mines Quart., vol. 4, p. 15. 2 pages.

Some New Work on Properties of Explosive Mixtures. By C. E. Lucke. Sch. Mines Quart., vol. 24, p. 37. 19 pages. I.

Explosives on the Witwatersrand. By T. L. Carter. E. & M. J., vol. 76, p. 702. 2 columns.

The Maxim Multi-Perforated Powder. Engineering, London, vol. 69, p. 196, 1 column, I.; p. 758, 1 column; and p. 854, ¼ column.

The Maxim-Schupphous Smokeless Powder. Engineering, London, vol. 65, p. 739, 5½ columns, I.; vol. 64, p. 235, 3½ columns, I.; and p. 270, ⅔ column, I.

Nitro-Explosives. Engineering, London, vol. 72, p. 457. 1¾ columns.

High-Grade Gunpowder. By A. F. Hargreaves. T. F. I. M. E., vol. 14, p. 2, 16 pages, I.; and T. I. M. E., vol. 15, p. 211, 9 pages.

Some Defects in Gun-Powder as a Blasting Agent. By W. J. Orsman. T. F. I. M. E., vol. 14, p. 57, 5 pages; and p. 61, 10 pages.

Mining Explosives. By V. B. Lewes. T. F. I. M. E., vol. 9, p. 320. 24 pages.

Deterioration of Dynamite. E. & M. J., vol. 69, p. 384.

Note on Unfreezable Dynamite. By E. E. R. Tratman. T. A. I. M. E., vol. 21, p. 938.

Ammonal: A New Explosive. M. & M., Feb., 1904, p. 305. Note.

Mining Explosives: The Effect of Perfect and Imperfect Detonation; Proper Strength of Caps for Different Conditions. By A. W. Warwick. M. & M., Sept., 1902, p. 63. 3½ columns.

Notes on Modern High Explosives. E. & M. J., vol. 48, p. 567. 3 columns.

High Explosives. Min. & Sci. Press, vol. 81, p. 33. 1½ columns.

Some Modern Explosives. Min. & Sci. Press, vol. 81, p. 277. 2 columns.

High Explosives. Min. & Sci. Press, vol. 81, p. 369. 2½ columns.

Explosives: Constant Care Necessary. Min. & Sci. Press, vol. 81, p. 436. 1 column.

Manufacture of Explosives

Manufacture, Use and Abuse of Dynamite. E. & M. J., vol. 61, p. 182. 1½ columns.

The Manufacture of Gun-Cotton Charges. Engineering, London, vol. 73, p. 610. 7 columns. I.

The Manufacture of Cordite. Engineering, London, vol. 65, p. 94, 1 column; and vol. 63, p. 181, 1 column.

Powdered Aluminum for Explosives. E. & M. J., vol. 75, p. 965. ¼ column.

Dynamite with Gunpowder as Absorbent. E. & M. J., vol. 37, p. 352. 2¼ columns.

Charcoal for Gunpowder. Min. & Sci. Press, vol. 34, p. 411. ½ column.

Manufacture, Use and Abuse of Dynamite. Min. & Sci. Press, vol. 72, p. 460. 2 columns.

Dynamites and Their Manufacture. Min. & Sci. Press, vol. 81, p. 1. 1½ columns.

Progress in Explosives. Min. & Sci. Press, vol. 82, p. 23. 1½ columns.

A New Explosive. Min. & Sci. Press, vol. 85, p. 5. ¾ column.

The Manufacture of Gun Cotton and Nitroglycerine. By B. S. Drake. Min. & Sci. Press, vol. 88, p. 65, 2½ columns; p. 82, 1 column; and p. 99, 1½ columns.

Infusorial Earth. E. & M. J., vol. 82, p. 744. ⅓ column.

How the Miners' Dynamite is Made. By W. Symmes. Min. & Sci. Press, vol. 94, p. 313, 5¾ columns; p. 370, 5 columns; and p. 440, 7¼ columns. I.

The Influence of the Gravity of Glycerine on the Yield of Nitro-Glycerine. By W. E. Garrigues. P. E. Soc. W. Pa., vol. 13, p. 265. 5 pages.

The Manufacture of Nitro-Glycerine Explosives. By Wm. Cullen. J. C. & M. Soc. S. A., vol. 4, p. 309. 6 pages.

The Residual Products of the Dynamite Factory and Their Value to the Gold Industry. By Wm. Cullen. J. C. & M. Soc. S. A., vol. 3, p. 68. 7½ pages.

The Manufacture of Nitro-Explosives. By August Prister. J. C. & M. Soc. S. A., vol. 2, p. 191, 15 pages; p. 308, 3½ pages.

Bichloride of Mercury in Nitroglycerin Explosives. E. & M. J., vol. 84, p. 298. 2 columns.

The Detection of Mercury in Explosives. By W. A. Hargreaves and W. T. Rowe. E. & M. J., vol. 84, p. 443. 1 column.

Dynamite Analysis. By J. O. Handy. P. E. Soc. W. Pa., vol. 9, p. 230. 1 page.

How to Make Nitro-Glycerine in Mining Districts. Am. Jour. Min., vol. 3, p. 252. ½ column.

The Manufacture of Dynamite. Min. & Sci. Press, vol. 80, p. 729. 1 column.

Explosive Properties of Various Materials

Explosive Force of Various Powders. Min. & Sci. Press, vol. 30, p. 288, ½ column; and p. 425, 4 columns.

Expansive Force of Explosives: Explosives and Coal Compared as a Source of Power. Min. & Sci. Press, vol. 30, p. 99. ½ column.

Comparative Effects of Gunpowder and Gun-Cotton. E. & M. J., vol. 10, p. 175. 1⅔ columns.

The Explosive Properties of Acetylene. By F. C. Phillips. P. E. Soc. W. Pa., vol. 13, p. 299. 10 pages.

The Use of High-Pressure Steam as a Possible Substitute for Gun-Powder or Other Dangerous Explosives in Coal-Mining. By H. Schow. T. I. M. E., vol. 16, p. 331. 4 pages. I.

High-Pressure Steam as an Explosive. By H. Schow. E. & M. J., vol. 66, p. 669. ⅓ column.

Oxy-Hydrogen as a Mining Explosive. M. & M., vol. 19, p. 75. 1 column.

Petroleum as an Explosive. By P. T. Austen. E. & M. J., vol. 46, p. 345. 1 column.

Use of Calcium Carbide as an Explosive. By M. P. S. Guédras. T. I. M. E., vol. 27, p. 717. ⅓ page.

Liquid Air as an Explosive. E. & M. J., vol. 68, p. 514. Note.

Liquid Air as an Explosive. E. & M. J., vol. 69, p. 170, 1 column; London Iron & Coal Trades Rev., Dec. 29, 1899; and E. & M. J., vol. 65, p. 548, 1 column. Note.

Liquid Air Explosives. M. & M., vol. 26, p. 106. Note.

Liquid Air and Its Use as an Explosive. By A. Larsen. T. I. M. E., vol. 19, p. 164. 6 pages.

Liquid Air as an Explosive. E. & M. J., vol. 83, p. 1239. ¼ column.

See Liquid as an Explosive for further information on Explosives.

Safety Explosives

A New Safety Powder. Min. & Sci. Press, vol. 38, p. 113. 2½ columns. I.

A Substitute for Blasting in Coal-Mines: A Hydraulic Mining Cartridge. By S. Nettleton. M. & M., Mar., 1905, p. 371. 1½ columns. I.

New Coal Mine Explosive: A Safety or Flameless Explosive. M. & M., vol. 27, p. 4. 2 columns.

Fuses (Safety): Their Manufacture, Testing and Use. By J. Thomas. J. C. & M. Soc. S. A., Nov., 1904; and Min. Mag., Feb., 1905, p. 159.

A New Safety Cartridge for Fiery Mines. E. & M. J., vol. 61, p. 158. ½ column.

Safety-Explosives. By B. Winkhaus. T. F. I. M. E., vol. 10, p. 337. 14 pages. I.

Selection of Safety-Explosives. T. F. I. M. E., vol. 9, p. 331.

Safety-Explosives. By W. J. Orsman. T. I. M. E., vol. 17, p. 54, 16 pages; and p. 373, 16 pages.

New Hydraulic Mining Cartridge. By J. Tonge. T. I. M. E., vol. 15, p. 269. 5 pages.

Kynite, a New Safety-Explosive. By W. Cullen. T. I. M. E., vol. 15, p. 181. 6 pages.

Flameless Explosives in the Nova Scotia Coal Mines. E. & M. J., vol. 55, p. 100. 1 column.

Safety Explosives: Parts Kept Separate — Mixed when Used. E. & M. J., vol. 6, p. 241. ⅓ column.

Pudrolithe, The Safety Blasting Powder. Min. & Sci. Press, vol. 25, p. 278. ⅔ column.

A New Safety Cartridge for Coal Mines — Hydrogen. Min. & Sci. Press, vol. 53, p. 50. ⅔ column.

Safety Explosives. Coll. Engr., vol. 12, p. 149. 2 columns.

Lime Instead of Powder in Mines. Min. & Sci. Press, vol. 44, p. 177. ¾ column.

Blasting with Lime. Min. & Sci. Press, vol. 44, p. 376. 1 column.

Lime for Blasting in Mines. Min. & Sci. Press, vol. 45, p. 201. 1 column. I.

Flameless Substitute for Powder in Blasting. Min. & Sci. Press, vol. 45, p. 306. 1½ columns.

Lime and Powder. Min. & Sci. Press, vol. 46, p. 376, ⅓ column; vol. 47, p. 8.

Firing of Explosives, Primers, Fuses, etc.

Detonators, Electric Fuses and Exploders. P. C. M., vol. 2, p. 239. 6 pages. I.

Detonating Caps for Blasting. By R. L. Oliver. E. & M. J., vol. 82, p. 682. 13⅓ columns.

Shot-Firing in Fiery and Dusty Mines. By B. H. Lohmann. T. F. I. M. E., vol. 10, p. 351. 3 pages.

Instantaneous Fuse: Rate of Burning. Min. & Sci. Press, vol. 39, p. 371. ½ column.

BLASTING CARTRIDGES AND FUSES. Am. Jour. Min., vol. 4, p. 165. ½ column.

PHOTOGRAPHS OF FLASHES OF ELECTRIC DETONATORS. By L. W. de Grave. T. I. M. E., vol. 15, p. 203. 4 pages. I.

QUANTITY OF FULMINATE OF MERCURY DETONATORS CONTAIN ACCORDING TO NUMBERS. T. F. I. M. E., vol. 13, p. 32. List.

THE DANGER OF EMPLOYING SAFETY-FUSES FOR BLASTING IN FIERY MINES. By B. F. Winkhaus. T. F. I. M. E., vol. 12, p. 169. 10 pages.

THE ROTH METHOD OF FIRING SHOTS. By G. B. Walker. T. F. I. M. E., vol. 10, p. 95. 4 pages.

THE WALKER METHOD OF FIRING HIGH EXPLOSIVES. E. & M. J., vol. 64, p. 364. ½ column.

DYNAMO ELECTRIC FUSE IGNITING APPARATUS. By J. von Lauer. Oest. Zeit. f. Berg u. Hütten, Oct. 1, 1904, and Min. Mag., Oct.-Nov., 1904, p. 303, ½ column.

TESTING CAPS AND PRIMERS OR DETONATORS IN THE LABORATORY: A Method by which a Record of the Strength and Quality is Automatically Made. By A. W. Warwick. M. & M., Feb., 1904, p. 302. 3½ columns.

FIRING BLASTS BY ELECTRICITY: Methods of Wiring, Placing the Cap, Loading the Holes, Capacity of Blasting Machines, etc. M. & M., Feb., 1905, p. 348. 4 columns. I.

ELECTRIC LIGHTING AND BLASTING. Machinery for Metalliferous Mines, p. 504. 9 pages.

ELECTRIC FIRING OF EXPLOSIVES. Min. & Sci. Press, vol. 82, p. 71. 11 pages.

SAFETY SHOT IGNITER: A French Device by which a Fuse May be Safely Fired in a Gassy Mine. M. & M., July, 1900, p. 539. 2 columns.

REGULATIONS RE SAFETY FUSE. Fourteenth Annl. Rept. Transvaal Chamber of Mines, for the Year 1903, p. 220.

DYNAMO ELECTRIC FUSE IGNITING APPARATUS. By J. von Lauer. Min. Mag., Oct.-Nov., 1904, p. 303. ½ column.

Use of Explosives in Coal Mining

ON THE INTRODUCTION OF NEW EXPLOSIVES FOR COAL GETTING IN NOVA SCOTIA. By H. S. Poole. J. M. Soc. N. S., vol. 1, p. 15, pt. 2. 17 pages.

NEW MINING EXPLOSIVES AUTHORIZED IN ENGLAND. M. & M., vol. 26, p. 113. Table.

NOTES ON EXPLOSIVES FOR MINING. E. & M. J., vol. 36, p. 164. 2¼ columns.

SHOOTING OFF THE SOLID. M. & M., Nov., 1902, p. 181. 2 columns.

NEW EXPLOSIVES RECENTLY PERMITTED IN BRITISH MINES. M. & M., Jan., 1905, p. 298. ¼ column.

THE USE OF EXPLOSIVES IN BELGIAN COLLIERIES. E. & M. J., vol. 59, p. 364. 2 columns.

EXPLOSIVES IN BRITISH COAL MINES. M. & M., vol. 26, p. 37. 1½ columns.

LIST OF PERMITTED EXPLOSIVES IN NEW SOUTH WALES COAL MINES. Annl. Min. Rept. N. S. Wales, 1899, pp. 128, 129, 130, 131, 132, 133. 6 pages.

Annl. Min. Rept. N. S. Wales, 1901, p. 123. 7 pages.

THE USE OF POWDER IN MINES. T. N. S. I. M. & M. E., vol. 5, p. 144. 2 pages.

PERMITTED EXPLOSIVES IN BRITISH COAL MINES. By J. Ashworth. E. & M. J., vol. 84, p. 596. 3¾ columns.

THE DEVELOPMENT OF EXPLOSIVES FOR COAL MINES. By D. M. D. Stuart. T. I. M. E., vol. 29, p. 299. 31 pages.

EXPLOSIVES IN COAL MINES. By E. J. Deason. M. & M., vol. 28, p. 269. 9½ columns. I.

Quantity of Explosives Used in Mining

RULE FOR DETERMINING QUANTITY OF POWDER TO BE EMPLOYED FOR BLASTING BITUMINOUS COAL. M. & M., Apr., 1902, p. 425.

WEIGHT OF DYNAMITE CARTRIDGES CALCULATED. Min. & Sci. Press, vol. 85, p. 58. Note.

QUANTITY OF POWDER USED PER TON OF COAL MINED. Rept. Inspr. Mines, Pa., 1873, p. 236, 4 pages, tables.; 1887, p. 6, 3 pages; p. 83, 3 pages; p. 127, 2 pages; and p. 145, 2 pages.

BLASTING POWDER USED IN THE PENNSYLVANIA COAL MINES PER TON OF COAL MINED. Rept. Inspr. Mines, Pa., 1876, pp. 98, 99. Tables.

KEGS OF POWDER USED IN PENNSYLVANIA MINES AND NUMBER OF TONS OF COAL MINED. Rept. Inspr. Mines, Pa., 1877, pp. 156, 157, 158. Tables.

TONS OF COAL TO KEGS OF POWDER. Rept. Inspr. Mines, Pa., 1878, pp. 95, 97, tables and p. 241, table.

KEGS OF POWDER USED AND TONS OF COAL MINED IN PENNSYLVANIA MINES. Rept. Inspr. Mines, Pa., 1880, p. 198, tables; p. 237, table; p. 315, table; and p. 320, table.

AMOUNT OF POWDER USED IN GETTING 1000 TONS OF COAL. T. N. S. I. M. & M. E., vol. 2, p. 156. Table.

CONSUMPTION OF EXPLOSIVES, PORTLAND GOLD MINING COMPANY. T. A. I. M. E., vol. 37, p. 88. Table.

MINING EXPLOSIVES: The Theory of an Explosion; Description and Classification of the Explosives Used in the Coal Mines of Great Britain. By James Tonge. M. & M., July, 1902, p. 538. 5 columns.

Testing Explosives

RELATIVE VALUE OF BLASTING COMPOUNDS. T. N. S. I. M. & M. E., vol. 2, p. 155. Table.

THE POWER OF EXPLOSIVES. E. & M. J., vol. 35, p. 256. ⅗ column.

TEST OF MASURITE. M. & M., May, 1902, p. 468. 2½ columns.

TESTING MINE EXPLOSIVES: The Difficulties and Uncertainties in Determining Practical Values of Different Explosives. By A. W. Warwick. M. & M., Oct., 1902, p. 97. 3½ columns.

TESTS OF BLACK POWDER. T. A. I. M. E., vol. 18, p. 527.

GIANT-POWDER TESTER (Lead Cylinder). T. A. I. M. E., vol. 18, p. 520.

TESTS OF CAPS OR EXPLODERS. T. A. I. M. E., vol. 18, p. 516.

SOME TESTS OF THE RELATIVE STRENGTH OF NITRO-GLYCERINE AND OTHER EXPLOSIVES. By F. N. Clark. T. A. I. M. E., vol. 18, p. 515.

FORM OF CRATER PRODUCED BY EXPLODING GUNPOWDER IN A HOMOGENEOUS SOLID. By F. Ferinstone. T. A. I. M. E., vol. 18, p. 370.

A SIMPLE APPARATUS FOR DETERMINING THE RELATIVE STRENGTH OF EXPLOSIVES. By S. Whinery. T. A. I. M. E., vol. 14, p. 75.

EXPERIMENTAL DRIFT FOR TESTING EXPLOSIVES FOR COAL MINES. E. & M. J., vol. 61, p. 567. 1 column. I.

PHOTOGRAPHY IN THE TECHNOLOGY OF EXPLOSIVES. By A. Siersch. T. F. I. M. E., vol. 11, p. 2. 6 pages. I.

THE BLASTING EFFICIENCY OF EXPLOSIVES. By B. Winkhaus. T. F. I. M. E., vol. 10, p. 264. 10 pages. I.

IMPROVEMENTS IN EXPLODERS FOR SHOT-FIRING. By H. Bonser. T. F. I. M. E., vol. 9, p. 172. 2 pages. I.

THE SAFETY OF MODERN MINING EXPLOSIVES, WITH SPECIAL REFERENCE TO METHODS OF TESTING. By L. T. O'Shea. T. I. M. E., vol. 17, p. 189. 24 pages.

Relative Strengths of Blasting-Powder and Nitro-Glycerine Explosives. T. F. I. M. E., vol. 14, p. 13. Table.

Temperatures Developed on Explosion by Various Explosives. T. F. I. M. E., vol. 14, p. 12. Table.

The Energy of Explosives. M. & M., vol. 19, p. 514. ¾ column.

Experiments with Safety-Explosives. E. & M. J., vol. 76, p. 239. ½ column.

An Experiment with Explosives Used Underground. By H. Walters. T. F. I. M. E., vol. 2, p. 31, 4 pages; p. 49, 13 pages; p. 85, 8 pages; p. 488, 5 pages; and p. 526, 4 pages.

Experiments with Explosives. By L. W. Chicken. T. F. I. M. E., vol. 3, p. 88, 3 pages; and vol. 12, p. 32, 19 pages.

Experiments with Explosives. By B. Winkhaus. T. F. I. M. E., vol. 9, p. 250, 24 pages, I.; p. 274, 6 pages; p. 294, 4 pages; and p. 32, 19 pages.

Some Recent Experiments in Blasting with Compressed Cartridges. By W. Blakemore. J. C. M. I., vol. 1, page 3. 7 pages. I.

Stability Tests for Smokeless Powder and Nitro-Explosives. By T. Aspinwald. E. & M. J., vol. 73, p. 661. ½ column.

Testing of Explosives. By J. B. Porter. Min. Mag., vol. 13, p. 127. 3 columns.

Effect of Cold on Giant Powder: Powder Thawer. Min. & Sci. Press, vol. 43, p. 57. ½ column. I.

Effect of Musical Notes on Explosives. Min. & Sci. Press, vol. 69, p. 41. ¾ column.

Inspection of Explosives. Min. & Sci. Press, vol. 48, p. 433. 1 column.

Cylinder and Frame for Testing Powder. Min. & Sci. Press, vol. 61, p. 377. Note. I.

Powder Tester. Min. & Sci. Press, vol. 62, p. 217. I.

Further Experiments with Gelatine Dynamite and also with Tonite: Blown-out Shots, etc. By A. R. Sawyer. T. N. S. I. M. & M. E., vol. 9, pp. 19, 22, 25, 26, 28, 29. 14 pages. I.

Variation of Explosive Force of Explosives when Fired by Ignition and Detonation. T. N. S. I. M. & M. E., vol. 3, p. 85. Table.

Testing Explosives in Lead Block. E. & M. J., vol. 82, p. 164. ½ column.

Testing Explosives. By E. J. Deason. M. & M., vol. 28, p. 269. 9½ columns. I.

Force of Explosives. P. C. M., vol. 2, p. 233. 2 pages.

Tests of Explosives. T. I. M. E., vol. 30, p. 645. 1 page.

Tests on the Sensitiveness of Nitro-Glycerine Explosives, etc. T. I. M. E., vol. 30, p. 645. 2 pages.

Handling Explosives

Carriage of Explosives. Fourteenth Annl. Rept. Transvaal Chamber of Mines, for the Year 1903, p. 216.

Methods and Costs of Blasting and Handling Boulders. Min. & Sci. Press, Feb. 11, 1905, p. 86.

Regulation of Trade in Explosives. E. & M. J., Mar. 21, 1896, p. 275. 1 column.

Notes on Handling Dynamite. By W. R. Quinan. M. & M., vol. 19, p. 511. 1¾ columns.

Transportation of High Explosives. E. & M. J., vol. 80, p. 16. ½ column.

The Transportation of High Explosives. E. & M. J., vol. 36, p. 48. ½ column.

Rules for Shipping High Explosives. E. & M. J., vol. 34, p. 4. 1¼ columns.

Instructions for Handling and Using Tri-Nitro-Glycerine. Min. & Sci. Press, vol. 34, p. 87. ¾ column.

Hints for Handling Dynamite. Min. & Sci. Press, vol. 33, p. 191. ½ column.

Method of Handling Explosives in the Big Mines of the Cœur d'Alene District. E. & M. J., vol. 81, p. 620. Note.

The Handling of Dynamite. Min. & Sci. Press, vol. 77, p. 607. 1⅔ columns.

Handling of Explosives. Min. & Sci. Press, vol. 84, p. 58. ½ column.

Transportation and Handling of Explosives. Min. & Sci. Press, vol. 91, p. 382. 4½ columns.

Notes on Handling Dynamite. Min. & Sci. Press, vol. 80, p. 152. 1 column.

Don'ts in the Use of Powder. Min. & Sci. Press, vol. 92, p. 144. ½ column.

Precautions Taken by the Pennsylvania Railroad Company in Handling Powder (Explosives). E. & M. J., vol. 83, p. 99. Note.

Handling of Dynamite. M. & M., vol. 27, p. 574. ¾ column.

Storage of Explosives

The Storage of Explosives. By R. Hunter. E. & M. J., vol. 65, p. 313, 1⅓ columns, I.; p. 584, ⅓ column; and vol. 64, p. 242, 1⅓ columns.

The Storage of Dynamite. Engineering, London, vol. 63, p. 585. 1 column.

Dynamite Magazine for a Tropical Climate. E. & M. J., vol. 49, p. 339. ½ column. I.

The Storage of Dynamite. By D. Murge. E. & M. J., vol. 34, p. 162. 2 columns.

Magazines and Explosives. E. & M. J., vol. 32, p. 434. ¾ column.

Magazines and Corrugated Iron. Coll. Engr., vol. 13, p. 197. 1 column. I.

Storing Dynamite. Min. & Sci. Press, vol. 77, p. 508. ½ column.

Powder Magazines in Mines. Min. & Sci. Press, vol. 86, p. 82. ½ column.

Storage of Explosives in Tunnel Work. Tunneling, Prelini, p. 27. ¾ page.

An Underground Magazine and an Electric Powder Thawer. By Wm. Kelly. T. L. S. M. I., vol. 10, p. 66. 6 pages. I.

Storage of Nitroglycerine Explosives. By L. Saclier. T. I. M. E., vol. 27, p. 717. ½ page.

Magazine Construction. J. C. & M. Soc. S. A., vol. 2, p. 203. ½ page.

Novel Colliery Powder House. By H. W. Kingsbury. M. & M., vol. 28, p. 119. 1 column. I.

Powder in Mines. Min. & Sci. Press, Feb. 11, 1905, p. 81.

Thawing Giant Powder

Electric Powder Thawer. Min. & Sci. Press, vol. 84, p. 258. 1 column. I.

Thawing Dynamite. E. & M. J., vol. 72, p. 791. I.

Thawing Dynamite Electrically in an Underground Magazine. By W. Kelly. M. & M., vol. 26, p. 181. 2 columns. I.

Frozen Dynamite. T. L. S. M. I., vol. 9, p. 42. 2 columns.

Freezing of Nitro-Glycerine Powders. Min. & Sci. Press, vol. 23, p. 361. ¾ column.

How to Thaw Powder. Min. & Sci. Press, vol. 74, p. 153. ⅔ column.

How to Thaw Frozen Giant Powder. Min. & Sci. Press, vol. 47, p. 289. 1 column. I.

Thawing Out Giant Powder. Min. & Sci. Press, vol. 56, p. 249. ¾ column. I.

An Inexpensive Powder Thawer. Min. & Sci. Press, vol. 80, p. 346. ½ column. I.

Proper Methods for Thawing Dynamite. E. & M. J., vol. 81, p. 899. 3½ columns. I.

A Powder Thawer. Min. & Sci. Press, vol. 82, p. 219. ½ column.

Thawing Dynamite: Detailed Construction of Thawing House. M. & M., vol. 27, p. 24. 3 columns. I.

An Inexpensive Powder Thawer. By M. W. Alderson. Min. & Sci. Press, vol. 91,p. 295. 1 column. I.

Thawing Dynamite. Min. & Sci. Press, vol. 88, p. 243. ½ column. I.

Danger in Thawing Giant Powder. Min. & Sci. Press, vol. 85, p. 326. ⅔ column.

Design of Powder Thawer. Min. & Sci. Press, vol. 87, p. 369. ¾ column. I.

A Dynamite Thaw House. Eng.-Cont., vol. 27, p. 78. 2⅞ columns. I.

Thawing Dynamite by Manure. Eng.-Cont., vol. 27, p. 59. ⅕ column.

Thawing Dynamite. E. & M. J., vol. 83, p. 428. 5 columns. I.

The Russbach Pot for Softening and Thawing Dynamite. By L. Würtz. T. I. M. E., vol. 26, p. 626. ½ page.

Dynamite Thawing House. By W. E. Joyce. M. & M., vol. 27, p. 507. 1½ columns. I.

Peculiar Explosion of a Powder Thawer. By M. W. Alderson. Min. & Sci. Press, vol. 89, p. 237, 1 column, I.; and p. 272, ⅓ column.

Frozen Dynamite. J. C. & M. Soc. S. A., vol. 2, p. 202. 1 page.

Thawing Powder: New York State Law. M. & M., vol. 19, p. 59. ¼ column.

Use of Explosives in Gas and Oil Wells

Nitro-Glycerine in the Oil Region. Am. Jour. Min., vol. 7, p. 101. ½ column.

Torpedoing ("Shooting") Wells. M. & M., vol. 28, p. 188. 2 columns. I.

Colonel Roberts' Torpedo and What It has Done for the Petroleum Interest. Am. Jour. Min., vol. 2, p. 76. 1¼ columns. I.

FUELS: COAL, COKE, GAS, OIL, ETC., AND FUEL TESTING

Composition and Characteristics of Coal

On the Approximate Analysis of Coal. By G. Hinrichs. Am. Jour. Min., vol. 4, p. 402. 2¾ columns.

Composition and (Fuel) Value of Pennsylvania Anthracites. By C. A. Ashburner. E. & M. J., vol. 37, p. 119, 4 columns; and p. 143, 2 columns.

Specific Gravity of Coal as a Measure of Purity. By M. S. Hachita. E. & M. J., vol. 83, p. 670. 6 columns. I.

Analysis of Yampa Coals. E. & M. J., vol. 84, p. 316. Table.

The Condition of Sulphur in Coal and Its Relation to Coking. By T. M. Drown. T. A. I. M. E., vol. 9, p. 656.

Sulphur in Coal and Coke. By J. O. Handy. P. E. Soc. W. Pa., vol. 8, p. 295. 2 pages.

Distribution of Phosphorus in the Pittsburg Coal Seam. By J. R. Campbell. M. & M., vol. 28, p. 408. 3 columns. I.

Phosphorus in Bituminous Coal and Coke. By A. S. McCreath. T. A. I. M. E., vol. 8, p. 74.

Hygrometric Properties of Coal. By R. C. Carpenter. Engineering, London, vol. 64, p. 269. 2½ columns. I.

Water in Coals. By J. B. Britton. T. A. I. M. E., vol. 5, p. 97.

Moisture in Coal. By E. E. Somermeier. M. & M., vol. 28, p. 430. 4 columns.

The Solvent Action of Pyridine on Certain Coals. By T. Baker. T. I. M. E., vol. 20, p. 159. 6 pages.

Some Characteristics of Coal. By W. L. Abbott. M. & M., vol. 27, p. 319. J. W. Soc. E., Sept. 5, 1906. 11½ columns. I.

The Waste of Coal and Its Utilization

Preliminary Report of the Committee upon the Waste of Anthracite Coal. By E. B. Coxe, Chairman. T. A. I. M. E., vol. 1, p. 59.

Consumption of Coal for Steam at the Anthracite Collieries. By A. D. W. Smith. E. & M. J., vol. 67, p. 81. 2 columns.

On the Wasting of Coal at the Mines. By J. W. Harden. T. A. I. M. E., vol. 1, p. 406.

Remarks on the Waste in Coal-Mining. By R. P. Rothwell. T. A. I. M. E., vol. 1, p. 55.

Notes on the Reworking of Anthracite Culm-Banks. By A. W. Sheafer. T. A. I. M. E., vol. 24, pp. 364, 851.

How Anthracite Coal is Prepared. Second Pa. Geol. Survey, Coal Waste, A2, p. 23. 6 pages. I.

Waste of Coal. By J. Tonge. T. F. I. M. E., vol. 4, p. 184, 2 pages; and vol. 7, p. 688, 7 pages.

The Production of Anthracite: Small Sizes. By H. S. Thompson. 34th Annual Rept. Board of Directors of City Trustees of Philadelphia, Pa., 1904. Min. Mag., Sept., 1904, p. 215. 1½ columns.

Utilization of Coal Dust. By E. F. Loiseau. E. & M. J., vol. 13, p. 152. 2⅓ columns.

Notes on the Utilization of Poor Coal and Slack. By D. B. Dowling. J. C. M. I., vol. 9, p. 321. 10½ pages.

Coal Dust as Fuel. M. & M., Apr., 1903, p. 398. 1 column.

The Utilization of Anthracite Waste by Gasification in Producers. By W. H. Blauvelt. T. A. I. M. E., vol. 20, p. 625.

Utilization of Culm. By N. W. Perry. E. & M. J., vol. 62, p. 202. ⅞ column.

The Utilization of Coal Waste. E. & M. J., vol. 62, p. 218.

Cheaper Transportation and Utilization of Anthracite Culm. E. & M. J., vol. 49, p. 57. 1 column.

Powdered Anthracite as a Fuel. By J. A. Price. Coll. Engr., vol. 9, p. 42. 5 columns.

Small Size Anthracite. E. & M. J., vol. 78, p. 991, 5 columns; and p. 1031, 3 columns, I.

On the Utilization of Waste Anthracite. By L. N. Lukens. E. & M. J., vol. 40, p. 239, 3 columns; p. 256, 1½ columns; p. 368, 2⅔ columns; and p. 383, 2 columns.

The Use of Anthracite Waste. By J. F. Blandy. T. A. I. M. E., vol. 5, p. 465.

Fuel at the Cayeloma Mines, Peru. By B. Hunt. E. & M. J., vol. 66, p. 727. 1½ columns.

Utilization of Coal Waste. By E. F. Loiseau. E. & M. J., vol. 14, p. 402. 3 columns.

Utilization of Coal Dust. E. & M. J., vol. 13, p. 3. 1¼ columns.

The Burning of Coal Dust. E. & M. J., vol. 13, p. 9. ⅔ column.

Coal-Dust Fuel. E. & M. J., vol. 13, p. 49. ½ column.

See Mechanical Feeders for Steam Boilers.

Use of Pea Coal. M. & M., vol. 21, p. 269. ¼ column.

Coke: Its Properties and Manufacture

Method of Sampling Coke. M. & M., Apr., 1904, p. 438.

The Physical Properties of Coke as a Fuel for Blast-Furnace Use. By J. Fulton. T. A. I. M. E., vol. 12, p. 212.

The Caking Power of Coals. P. C. M., vol. 1, p. 77. 1 page.

Character of Coal for Coking. E. & M. J., vol. 81, p. 912. Note.

Why Do Some Coals Coke and Others Not? By F. C. Keighley. M. & M., vol. 28, p. 109. 6¾ columns.

"Black Ends": Their Cause, Cost and Cure. By T. Beach. T. I. M. E., vol. 30, p. 592. 8 pages.

Increase of Moisture in Coke Shipped in Sealed Cars. E. & M. J., vol. 83, p. 296. 2½ columns.

Influence of the Prolonged Storage of Coal on its Coking Qualities. By F. Hannack. E. & M. J., vol. 83, p. 914. ⅞ column.

Coal Stamping in Coke Making. E. & M. J., vol. 82, p. 163. Note.

Time in Coke Making. By W. G. Irwin. E. & M. J., vol. 69, p. 256. 1 column.

An Investigation of Coals for Making Coke in the Semet-Solvay Ovens, with the Recovery of Ammonia and Tar; and Remarks on the Sources of Ammonia. By J. D. Pennock. T. A. I. M. E., vol. 21, p. 798.

Western Kentucky Coals and Cokes. By J. A. Allen. T. A. I. M. E., vol. 16, p. 581.

Mr. Fulton's Table Showing the Physical and Chemical Properties of Coke. T. A. I. M. E., vol. 21, p. 57.

Utilization of Waste Heat from Coke Ovens. M. & M., vol. 25, p. 334, 4¼ columns, I.; and p. 587, 2 columns.

The Utilization of Waste Heat from Coke Ovens: The Heat Available and Methods and Apparatus Best Suited for Using It. M. & M., Feb., 1905, p. 334. 4⅓ columns. I.

Coking under Pressure. By J. A. Church. T. A. I. M. E., vol., 1, p. 322.

Some Experiments on Coking Coals under Pressure. By E. T. Cox. T. A. I. M. E., vol. 3, p. 34.

Coals and Cokes of Eastern Kentucky. By J. H. Allen. T. A. I. M. E., vol. 21, p. 53.

Comparison of Some Southern Cokes and Iron-Ores. By A. S. M'Creath. T. A. I. M. E., vol. 15, p. 734.

Specifications for Coke-Ovens. T. I. M. E., vol. 27, p. 502. 1 page.

Refractories Used in the Construction of Coke Ovens. By J. R. Campbell. M. & M., vol. 28, p. 457. 5 columns.

Improved Dampers for Coke-Oven Flues. By Wm. Archer. E. & M. J., vol. 82, p. 498. 2¾ columns. I.

Coke-Oven Construction. By W. M. Judd. E. & M. J., vol. 82, p. 877. 11½ columns. I.

Beehive Oven Construction: Coke. By H. N. Eavenson. M. & M., vol. 27, p. 80. 5½ columns. I.

Beehive Coke Ovens, Indiana County, Pennsylvania. M. & M., vol. 24, p. 4. 3¾ columns. I.

The Development of the Modern By-Product Coke-Oven. By C. G. Atwater. T. A. I. M. E., vol. 33, p. 760.

The Semet-Solvay Coke Oven. E. & M. J., vol. 60, p. 512. 2 columns. I.

The Strachan Coke Oven. E. & M. J., vol. 57, p. 155. 1 column.

The Ljundberg Charcoal Kiln. E. & M. J., vol. 66, p. 309. 1 column. I.

Coke Ovens: Beehive Type. M. & M., Aug., 1903, p. 4.

By-Product Coke. M. & M., vol. 25, p. 610. 10½ columns. I.

By-Product Coke and Huessener By-Product Coke-Ovens. By J. A. Roelofsen. T. I. M. E., vol. 31, p. 451. 14½ pages. I.

The By-Product Coke Oven. By W. H. Blauvelt. J. W. Soc. E., vol. 10, p. 377. 23½ pages. I.

By-Product Coke Ovens in America. By E. A. Moore. M. & M., vol. 27, p. 253. 5½ columns.

Coke-Oven Construction. M. & M., vol. 27, p. 278. 10½ columns. I.

The Newton-Chambers System of Saving the By-Products of Coke-Manufacture in Bee-Hive Ovens. By R. A. Cook. T. A. I. M. E., vol. 26, p. 340.

By-products from Charcoal Manufacturing. M. & M., July, 1901, p. 543.

Plant for Saving Coke By-Products: The Extension of the Coal Distillation Plant at the Matthias Stinnes Mine in Carnap, Germany. M. & M., Dec., 1902, p. 214. 3½ columns.

By-Product Coke Plant of the Lackawanna Iron and Steel Company at Lebanon, Pennsylvania: An Instaliment of 232 Otto-Hoffman Ovens. By W. R. Rothberg. M. & M., Mar., 1904, p. 362. 6½ columns.

A Description of the Semet-Solvay By-Product Coke-Oven Plant at Ensley, Alabama. By W. H. Blauvelt. T. A. I. M. E., vol. 28, pp. 578, 873.

The Making of By-Product Coke. By E. A. Moore. E. & M. J., Mar. 2, 1905, p. 416. 3 columns.

Transition in Coke Making. By W. L. Affelder. M. & M., vol. 28, p. 484. 9 columns. I.

Coke-Making at the Oliver Coke-Works. By F. C. Keighley. T. I. M. E., vol. 27, p. 493. 13 pages. I.

The Ziegler Process for Coking Peat. By O. K. Zwingenberger. E. & M. J., vol. 83, p. 143. 7 columns. I.

The Manufacture of Coke in Northern China. By Y. T. Woo. T. A. I. M. E., vol. 36, p. 661. 4 pages. I.

Coking Freeport Coals: Preston County, West Virginia. By J. B. Hanford. M. & M., vol. 27, p. 396. 4½ columns. I.

Coke Making. By J. B. Atkinson, Coll. Engr., vol. 12, p. 5, 3 columns, I.; vol. 13, p. 82, 5 columns, I.; p. 130, 2 columns; p. 148, 1½ columns, I.; p. 173, 5 columns, I.; p. 178, 5½ columns; p. 198, 6 columns, I.; p. 226, 3 columns, I.

The Manufacture of Coke. Coll. Engr., vol. 13, p. 248, 4 columns, I., and p. 276, 3½ columns, I.

Coke-Burning Simplified. By F. M. McKelvey. Coll. Engr., vol. 10, p. 130, 4 columns, I.; and p. 160, ⅔ column.

Adams' Improved Bee-Hive Coke Oven. Coll. Engr., vol. 11, p. 8. 3½ columns. I.

Improvements in Coke Manufacture in Europe. By C. M. Percy. Coll. Engr., vol. 9, pp. 15, 40, 51, 74, 103, 136, 186, 208, 235, 255, 268; vol. 10, pp. 18, 42, 55, 80, 100, 128, 147, 175, 199, 222, 247, 271.

Improved Heminway Process of Coking Coal in Beehive Coke Ovens as Used at the Plant of the Universal Fuel Company. By R. S. Moss. M. & M., Apr., 1901, p. 412. 5¾ columns.

The Manufacture of Coke from Compressed Fuel: Effect of Compression on the Coke. Methods and Machinery Used for Compressing the Coke. By J. H. Derby. M. & M., Oct., 1902, p. 120. 4½ columns.

The Coking in Beehive Ovens of the Coals of the New River District, West Virginia. By C. Cotlett. T. A. I. M. E., vol. 29, p. 84.

Properties of Coke. E. & M. J., vol. 78, p. 940. Note.

COKING IN BEEHIVE OVENS WITH REFERENCE TO YIELD: Methods by which the Percentage of Coke Yield May be Made the Maximum. By Chas. Cotlett. M. & M., Dec., 1902, p. 202. 4 columns.

COKING IN BEE-HIVE OVENS WITH REFERENCE TO YIELD. By Chas. Cotlett. T. A. I. M. E., vol. 33, p. 272.

COAL AND COKE IN BELGIUM: In the Copée Oven $1\frac{3}{10}$ Tons of Coal are Required to Produce 1 Ton Coke. Government Royalty, etc. M. & M., Feb., 1904, p. 301. ½ column.

THE MANUFACTURE OF COKE FROM COMPRESSED FUEL. By J. H. Darby. E. & M. J., vol. 73, p. 830. 5 columns.

THE MANUFACTURE OF COKE. By J. D. Weeks. U. S. G. S., Mineral Resources for 1883–84, pp. 144–213. 1885.

THE MANUFACTURE OF COKE IN PERU. By J. M. Clements. T. A. I. M. E., vol. 35, p. 470. 2 pages. I.

THE COKE WORKS AND BRIQUETTING OF MINERAL COAL IN AUSTRIA. By R. Helmhacker. E. &. M. J., vol. 62, p. 441. 1 column.

THE NATURAL COKE OF CHESTERFIELD COUNTY, VIRGINIA. By R. W. Raymond. T. A. I. M. E., vol. 11, p. 446.

PRELIMINARY NOTE UPON THE CARBONITE OR SO-CALLED "NATURAL COKE" OF VIRGINIA. By H. Wurtz. T. A. I. M. E., vol. 3, p. 456.

NOTE ON THE FIRE CREEK COKE OF WEST VIRGINIA. By F. P. Dewey. T. A. I. M. E., vol. 12, p. 386.

COKING INDIANA BLOCK COAL. By J. S. Alexander. T. A. I. M. E., vol. 4, p. 99.

COKE FROM LIGNITES. By A. Eilers. T. A. I. M. E., vol. 2, p. 101.

LAMP-BLACK OIL COKE. By R. Schorr. E. & M. J., Feb. 16, 1905, p. 322. 2 columns.

THE MANUFACTURE OF COKE IN 1903. By E. W. Parker. Min. Mag., Dec., 1904, p. 411. 2½ columns.

COKE-DRAWING MACHINES. By E. H. Abraham. M. & M., vol. 27, p. 507. 1¾ columns. I.

THE HEBB COKE-DRAWING MACHINE: A Device Recently Built for Mechanically Removing the Coke from Beehive or Other Coke Ovens. M. & M., Feb., 1904, p. 304. 2¾ columns.

NEW MACHINES FOR DRAWING AND LOADING COKE. By W. M. Nixon. E. & M. J., vol. 84, p. 119. 8½ columns. I.

A MACHINE FOR DRAWING COKE FROM BEE-HIVE OVENS. By G. T. Wickes. T. A. I. M. E., vol. 36, p. 353. 8 pages. I.

A MECHANICAL COKE-DRAWER. By R. A. Cook. T. A. I. M. E., vol. 26, p. 347.

Peat as a Fuel

PEAT FUEL, ITS MANUFACTURE AND USE. By W. E. H. Carter. Rept. of the Bureau of Mines of Ontario, 1903. Min. Mag., Dec., 1904, p. 411. ¾ column.

PEAT AS FUEL. E. & M. J., vol. 56, p. 78. 1 column.

PEAT AS A SUBSTITUTE FOR COAL. Engineering, London, vol. 74, p. 547. ¾ column.

THE UTILIZATION OF THE MILL REFUSE AND PEAT MOSSES OF THE OTTAWA. By E. A. Sjöstedt. T. F. C. M. I., vol. 2, p. 134. 10 pages. I.

THE PEAT FUEL INDUSTRY IN SWEDEN. E. & M. J., vol. 72, p. 12. 1 column.

THE VALUE OF PEAT AS A FUEL. E. & M. J., vol. 76, p. 687. Note.

THE UTILIZATION OF PEAT. E. & M. J., vol. 80, p. 50. 2½ columns. I.

RECENT ADVANCES IN THE UTILIZATION OF PEAT AND LIGNITE. By H. H. Worherspoon. E. & M. J., vol. 77, p. 562. 3 columns. I.

Making Peat Briquettes by Electric Power. E. & M. J., vol. 74, p. 41. 1¼ columns.

The Utilization of Peat. E. & M. J., vol. 80, p. 50. 2½ columns. I.

The Peat Industry. By A. P. Hall and R. C. Tolman. E. & M. J., Feb. 9, 1905, p. 271. 4 columns. I.

Power Generation By Oil

Oil vs Coal as a Fuel. E. & M. J., vol. 83, p. 247. 1 column.

The Effect of Oil on Boiler Furnaces. By D. B. Morison. Engineering, London, vol. 79, p. 586, 6½ columns, I.; and p. 619, 5¾ columns, I.

Petroleum as Steam Engine Fuel. By J. A. F. Aspinall. Engineering, London, vol. 63, p. 745. 1¾ columns.

"Fuel Oil" for Stationary Boilers in New York City. By H. F. J. Porter. Sch. Mines Quart., vol. 10, p. 350. 19 pages. I.

The Use of Petroleum for Power Purposes. By W. Forstner. Min. & Sci. Press, vol. 84, p. 130. 3⅔ columns.

California Crude Petroleum as a Fuel. By E. H. Denicke. Min. & Sci. Press, vol. 81, p. 312, 2⅓ columns, I.; and p. 340, 2¾ columns, I.

Petroleum for Steam Fuel. Min. & Sci. Press, vol. 16, p. 33. 4 columns. I.

Oil Fuels. Min. & Sci. Press, vol. 34, p. 279. ⅔ column.

The Use of Petroleum, Paraffin, and Other Mineral Oils Underground. By W. N. Atkinson. T. F. I. M. E., vol. 5, p. 434. 5 pages.

Fuel Oil on the Pacific Coast. E. & M. J., vol. 74, p. 818. 1¼ columns.

Foreign Use of Oil Fuel. E. & M. J., vol. 73, p. 517. 1 column.

Petroleum and Its Use for Illumination, Lubricating and Fuel-Purposes. By P. Dvorkovitz. T. I. M. E., vol. 27, p. 495. 22 pages.

Crude Petroleum and Its Application as Fuel for Industrial Operations in the Hawaiian Islands. By J. N. S. Williams. J. C. M. I., vol. 8, p. 59. 10 pages. I.

Liquid Fuels for Steamships. By E. L. Orde. Engineering, London, vol. 74, p. 158, 10 columns, I.; p. 777, 1 column, I., vol. 73, p. 405–7, 5 columns, I.

Oil Fuel for Steamers. E. & M. J., vol. 68, p. 671, note; vol. 67, p. 558.

Burning Oil in California. E. & M. J., Jan. 19, 1901, p. 79. 1¼ columns.

Crude Petroleum and Its Products as Fuel. By H. Tweddle. E. & M. J., vol. 68, p. 459, 3⅔ columns, I.; p. 488; and p. 517, I.

Fossil Fuels of Illinois and Their Exploitation: Petroleum and Natural Gas. By T. B. Comstock. E. & M. J., vol. 48, p. 565. 1 column.

Equipment for Oil Fuel. By G. W. Melville. E. & M. J., vol. 80, p. 625. 1⅓ columns.

Modification in Boiler Design Required by Liquid Fuel. By G. W. Melville. E. & M. J., vol. 80, p. 578. 5½ columns.

The Science of Burning Liquid Fuel. E. & M. J., vol. 77, p. 771. 2 columns. I.

Eam's Improvements in the Burning of Petroleum as Fuel. E. & M. J., vol. 20, p. 121, 2½ columns, I.; and p. 122, 12 columns. I.

A Simple Oil-Burning Equipment. By C. De Kalb. E. & M. J., vol. 81, p. 74. 2⅓ columns. I.

Liquid Fuel Burners. By J. S. V. Bickford. Engineering, London, vol. 77, p. 523, 6⅔ columns, I.; p. 594, 6⅓ columns, I.

The Holden Liquid Fuel Burner. E. & M. J., vol. 58, p. 104. 1 column. I.

Liquid Fuel: Boiler Firing with Oil. By J. W. Warren. Min. & Sci. Press, vol. 85, p. 7, 1⅔ columns; p. 24, 1⅓ columns; p. 36, ⅔ column.

Crude Oil as a Fuel. Min. & Sci. Press, vol. 86, p. 230. 3 columns.

Some Notes on Use of Fuel Oil. Min. & Sci. Press, vol. 87, p. 221. 1 column +. I.

Burning Crude Petroleum in Locomotives. E. & M. J., vol. 72, p. 425. ½ column. I.

Texas Oil as Fuel for Locomotives. E. & M. J., vol. 72, p. 755. 2 columns.

Oil Fuel in Locomotives. Min. & Sci. Press, vol. 55, p. 213. 2½ columns. I.

Oil-Burning Furnaces. By S. Uren. National Railroad Master Blacksmiths' Assoc. Ind., Aug. 18, 1904. 1 column.

Min. Mag., Oct.-Nov., 1904, p. 314.

The Use of Crude Oil in Smelting. By A. von der Ropp. E. & M. J., vol. 75, p. 81. 2 columns.

Mineral Oil Firing for Open Hearth Furnaces in Russia. E. & M. J., vol. 74, p. 278. ⅔ column.

Use of Crude Oil in Smelting. Min. & Sci. Press, vol. 85, p. 308. 2½ columns.

The Use of Oil in Metallurgical Furnaces in Russia. E. & M. J., vol. 69, p. 739. 3¼ columns. I.

Gas for Power: Its Generation and Use

Gas Power. By J. E. Dawson. T. I. M. E., vol. 15, p. 326. 16 pages. I.

A Gas Power Plant with Electrical Distribution. E. & M. J., vol. 71, p. 591. 2 columns. I.

Note on the Use of Gasoline-Gas in a Chemical Laboratory. By C. E. Wait. T. A. I. M. E., vol. 14, p. 769.

Fuel-Gas and Some of Its Applications. By B. Loomis. T. A. I. M. E., vol. 19, p. 995.

Water-Gas as a Steam-Boiler Fuel. By D. S. Jacobus. T. A. I. M. E., vol. 17, p. 300.

The Use of Producer-Gas for Drying and Roasting Ore at the Lixiviation-Mill of the Holden Smelting and Milling Company, Aspen, Colorado. By W. S. Morse. T. A. I. M. E., vol. 21, p. 919.

Natural Gas in Steam Production. By W. R. Crane. M. & M., vol. 24, p. 154. 6 columns. I.

Gaseous Fuels for Power and Heating. By H. Sherwood. Min. & Sci. Press, vol. 88, p. 38, 2⅓ columns; p. 60, 1⅔ columns; and p. 82, 1½ columns.

The Utilization of Surplus-Gases from By-Product Coke Ovens. By G. B. Walker and L. T. O'Shea. T. I. M. E., vol. 29, p. 187. 22 pages.

The Use of Natural Gas in a Lead Blast-Furnace. By F. C. Blake. T. A. I. M. E., vol. 15, p. 661.

The Utilization of Blast-Furnace Gas in Europe. By A. D. Elbers. E. & M. J., vol. 70, p. 403. 1 column.

The Siemens Patents for Improvements in Glass-Furnaces, with Suggestions for Their Use with Natural Gas. By B. Silliman. T. A. I. M. E., vol. 13, p. 529.

Bibliography of Gas-Producers: Fuels, their Combustion, and Allied Subjects. By S. S. Wyer. T. A. I. M. E., vol. 36, p. 64. 15 pages.

Wood Gas for Power Purposes and Gas Generators. By G. M. Douglas. T. I. M. & M., vol. 14, p. 459. 20 pages. I.

A Canadian Dellwik-Fleischer Water Gas Plant. By E. A. Sjöstedt. J. C. M. I., vol. 8, p. 290. 12 pages. I.

The Hughes Gas Producer. E. & M. J., vol. 82, p. 1061. 2 columns. I.

The Tangye Suction Gas-Producer. By C. H. Treglown. T. I. M. E., vol. 30, p. 263. 12 pages. I.

A Large Gas Producing Plant. E. & M. J., vol. 68, p. 547. 1¼ columns. I.

A Water-Cooled Gas-Producer. By W. J. Taylor. T. A. I. M. E., vol. 15, p. 822.

Fuel-Gas and the Strong Water-Gas System. By H. Wurtz. T. A. I. M. E., vol. 8, p. 289.

Gas Generators. By B. Johns and C. Brothers. Zeitschrift Verein der deutsche Ing., vol. 18, Nos. 9, and 22. By J. G. Sanderson. E. & M. J., vol. 77, p. 560. 4½ columns.
Min. Mag., Aug., 1904, p. 139.

Gas-Producers Using Blast. By F. H. Daniels. T. A. I. M. E., vol. 9, p. 310.

The Tessié Gas Producer. By A. L. Holley. T. A. I. M. E., vol. 8, p. 27.

An Automatic Feed-Device for Gas-Producers. By C. W. Bildt. T. A. I. M. E., vol. 28, p. 166.

Note on the Taylor Gas-Producer Plant at the Ontario Mill. By C. A. Stetefeldt. T. A. I. M. E., vol. 24, p. 573.

The Branch Natural Gas Burner. E. & M. J., vol. 82, p. 601. ½ column. I.

The Kurzwernhart Gas-saving Process. By J. Hartshorne. T. A. I. M. E., vol. 37, p. 505. 14 pages. I.

Purification of Gas for Gas Engines. By K. Painhardt. E. & M. J., vol. 82, p. 776. 7 columns.

Gas from Peat. E. & M. J., vol. 56, p. 621. ¼ column.

Fuel Substitutes, etc.

Fuel Substitutes. By A. Lakes. M. & M., vol. 26, p. 196. 2½ columns. I.

Molasses as a Fuel. E. & M. J., vol. 79, p. 1083. Note.

Substitutes for Hard Coal. E. & M. J., vol. 74, p. 437. 1 column.

Molasses as Fuel. By R. Terry, S. Arnold and H. Fisher. Sch. Mines Quart., vol. 26, p. 283. 20 pages. I.

Fuel Saving: Losses. Min. & Sci. Press, vol. 38, p. 121. 2 columns.

The Fuel of the Future: An Appalling Waste and a Simple Remedy, By G. S. Dwight. E. & M. J., vol. 29, p. 46. 2⅔ columns.

On the Use of Fuel at Cayeloma, Peru. By B. Hunt. T. I. M. & M., vol. 6, p. 278.

The Manufacture of Charcoal in Kilns. By T. Egleston. T. A. I. M. E., vol. 8, p. 373.

"Coalite": A New Fuel. E. & M. J., vol. 83, p. 1201. ½ column.

Coalite. By S. W. Parr. E. & M. J., vol. 84, p. 734. 2½ columns.

An Emergency Fuel: Strange Facts about the Eucalyptus. M. & M., Jan., 1904, p. 294.

Water-Gas as a Fuel. By W. A. Goodyear. T. A. I. M. E., vol. 11, p. 301.

Cheap Gas and Fuel without Smoke: The Results Attained in Gas and Coke Production by By-product Ovens at Everett, Mass. By A. D. Adams. M. & M., June, 1902, p. 508. 3¼ columns.

Notes on Fuel-Gas. By G. W. Goetz. T. A. I. M. E., vol. 18, p. 609.

Natural Gas and Its Substitutes. E. & M. J., vol. 42, p. 73. 1¼ columns.

Peat as a Substitute for Coal. Engineering, London, vol. 74, p. 547. ¾ column.

Briquetting of Fuels and Ores

Bibliography of Briquetting Literature. T. A. I. M. E., vol. 35, p. 115.

Binding Materials for Briquets. M. & M., Dec., 1903, p. 213.

The Manufacture and Use of Briquets in Germany. M. & M., Dec., 1902, p. 224. 1¼ columns.

The Briquetting Plant at Stockton, California. By R. Schorr. E. & M. J., vol. 78, p. 262. 1⅔ columns.

The Zwayer Briquette Process. E. & M. J., vol. 80, p. 1022. 2¼ columns. I.

The Schorr Briquette Press. E. & M. J., vol. 80, p. 627. 2½ columns. I.

The Briquette Industry in France. By E. Loze. E. & M. J., vol. 76, p. 277, 2¼ columns; and p. 431, 2 columns.

Briquetting Plant of the Western Fuel Company. By R. Schorr. E. & M. J., vol. 80, p. 389. 1¼ columns.

Briquetting of Brown Coal. By K. A. Muellenhoff. P. E. Soc. W. Pa., vol. 22, p. 178. 17½ pages. I.

Fuel Briquetting. M. & M., vol. 24, p. 8. 7½ columns. I.

The Fuel Briquetting Industry: The Materials of which Briquets are Made; Binders; Fuel Value; Shape of Briquets; Process and Machinery Used. By J. Fulton. M. & M., Jan., 1905, p. 305; Feb., 1905, p. 362, 8½ columns, I.; Mar., 1905, p. 404, 6½ columns, I.; and Dec., 1904, p. 237, 7 columns.

Briquetting Coal. E. & M. J., vol. 78, p. 541. 1 column.

On the Manufacture of Artificial Fuel at Port Richmond, Pennsylvania. By E. F. Loiseau. T. A. I. M. E., vol. 6, p. 214.

The Successful Manufacture of Pressed Fuel at Port Richmond, Philadelphia, Pennsylvania. By E. F. Loiseau. T. A. I. M. E., vol. 8, p. 314.

Patent Fuel and Its Manufacture. By C. Archibald. T. F. C. M. I., vol. 2, p. 288. 5 pages.

The Briquetting of Fuels. By R. Schorr. E. & M. J., vol. 74, p. 621. 2½ columns.

Testing Briquette Pitch. E. & M. J., vol. 80, p. 346. 1 column. I.

The Coke Works and Briquetting of Mineral Coal in Austria. By R. Helmhacker. E. & M. J., vol. 62, p. 441. 1 column.

Fuel Briquetting: The Materials that may be Used and the Extent of the Industry in Europe and Canada. M. & M., Aug., 1903, p. 9.

Coal Briquettes in Japan. E. & M. J., vol. 80, p. 51. ½ column.

Waterproof Briquets in Germany. M. & M., Jan., 1903, p. 257. ⅛ column.

The Manufacture of Coal Briquettes. By W. Colquhoun. E. & M. J., vol. 60, p. 347. 5 columns.

The German Lignite Briquette Industry. E. & M. J., vol. 60, p. 371. ½ column. I.

Lignite Briquets. By E. Waller and H. S. Renaud. E. & M. J., vol. 82, p. 637. 10 columns. I.

Making Peat Briquettes by Electric Power. E. & M. J., vol. 74, p. 41. 1¼ columns.

Fuel and Mineral Briquetting. By R. Schorr. T. A. I. M. E., vol. 35, p. 82, 32 pages; and p. 968, 3 pages.

Briquetting Tests. E. & M. J., vol. 80, p. 207. 2 columns.

Petroleum Briquets. M. & M., Jan., 1904, p. 256.

Petroleum Briquets in France. M. & M., July, 1902, p. 564.
Coll. Engr. & Met. Miner, May, 1896. ⅓ column.

Fuel Briquetting Industry: The Methods and Costs of Manufacturing in Europe; Different Styles of Process; Petroleum Briquets. By John Fulton. M. & M., Nov., 1904, pp. 106 and 162.

The Method of Collecting Flue-Dust at Elms on the Lahn. By T. Egleston. T. A. I. M. E., vol. 11, p. 379.

Briquetting Iron Ore at Herräng. By H. Louis. E. & M. J., vol. 78, p. 387. 1¼ columns.

A Bricking Plant for Flue Dust and Fine Ores. By J. C. Bennett. E. & M. J., vol. 78, p. 425. 4 columns. I.

Briquetting Mineral Fines. E. & M. J., vol. 67, p. 563. 1 column. I.

For further information on briquetting see Coke.

Testing Fuels and their Value

The Province of the Fuel Expert. By G. A. Hutchinson. E. & M. J., vol. 79, p. 987. 7 columns.

An Apparatus for Testing Fuel. E. & M. J., vol. 69, p. 322. ¾ column. I.

Fuel Testing: A Description of the Plant of the United States Geological Survey at the Louisiana Purchase Exposition. M. & M., Jan., 1905, p. 273. 12 columns.

Government Fuel Testing Plant. By G. R. Delamater. M. & M., vol. 28, p. 401. 10¼ columns. I.

Tests of Fuel. E. & M. J., vol. 78, p. 821. 5 columns.

The Chemistry of Combustion. By F. Clowes. T. N. S. I. M. & M. E., vol. 3, p. 135. 10 pages.

The Chemistry of Flame. T. N. S. I. M. & M. E., vol. 3, p. 145. 13½ pages.

The Testing of Coal. By A. Bement. J. W. Soc. E., vol. 11, p. 753. 41 pages.

The Composition and Analysis of Coal. P. C. M., vol. 1, p. 69. 18 pages. I.

Boiler Tests with Illinois Coals. By L. P. Breckenridge. J. W. Soc. E., vol. 6, p. 220. 24 pages. I.

Methods of Testing Coal. By S. S. Voohees. M. & M., vol. 28, p. 365. 6½ columns.

Navy Tests of Birmingham Coal. E. & M. J., vol. 59, p. 200. ⅔ column.

Importance of Coal Testing. By M. Brown. E. & M. J., vol. 76, p. 965. 1½ columns.

Coal Testing: Methods and Articles Required for Sampling; Apparatus for the Analysis of Coal; Estimation of Moisture. By M. Brown. M. & M., vol. 26, p. 168. 4¼ columns.

Determination of the Efficiency of Coal. By H. Bunte. E. & M. J., vol. 54, p. 298. 1 column.

Critical Review of Efficiency Tests of Coals. By W. Kent. E. & M. J., vol. 52, p. 430, 3 columns; p. 450, 3 columns; p. 476, 4⅔ columns; p. 504, 6½ columns.

Testing the Relative Value of Different Coals. E. & M. J., vol. 50, p. 76. 2⅔ columns.

Steam and Gas (Producer-Gas) Tests of Coal. E. & M. J., vol. 80, p. 6. 3 columns. Table.

Heat Production and the Constituents of Coal. By S. W. Parr. E. & M. J., vol. 83, p. 1246. 9 columns +. I.

The Calorific Value of Western Lignites. By E. C. Pechin. T. A. I. M. E., vol. 2, p. 278.

The Calorific Value of Certain Coals as Determined by the Mahler Calorimeter. By N. W. Lord and F. Haas. T. A. I. M. E., vol. 27, pp. 259, 946.

The Calorific Value of Western Lignites. By R. W. Raymond. T. A. I. M. E., vol. 2, p. 61.

Calculating the Calorific Power of Coals. E. & M. J., vol. 64, p. 516, ⅓ column; p. 546, note.

Berthier Method of Coal Calorimetry. By C. W. Kerr. J. W. Soc. E., vol. 3, p. 1333. 9 pages. I.

The Calorific Power of Coal. P. C. M., vol. 1, p. 81. 6½ pages.

Mahler's Calorimeter. M. & M., Aug., 1903, p. 26.

Analyses and Fuel Value of the Pittsburg Coal in the Fairmont Region of West Virginia: Influence of Different Constituents upon the Value of the Coal. By F. Haas. M. & M., Sept., 1903, p. 84. 5 columns.

The Heating Effect of Gas: Description of an Improved Method and Apparatus for Determining Heating Values. By W R. Crane. M. & M., Oct., 1902, p. 105. 6 columns.

Coal vs. Coke: Heating Value. M. & M., Feb., 1902, p. 332.

Approximate Analysis and Heating Values of American Coals. M. & M., vol. 19, p. 111; also p. 112, table.

The Calorimetry of Exhaust Gases. By B. Hopkinson. Engineering, London, vol. 78, p. 290, 4½ columns. I.

Calorimetry. By J. F. Simmance. Engineering, London, vol. 79, p. 66. 6 columns. I.

The Calorific Values of Solid and Gaseous Fuels. Engineering, London, vol. 79, p. 77. 1¾ columns.

A Simple Form of Fuel Calorimeter. By Chas. R. Darling. M. & M., Dec., 1902, p. 200. 2 columns.

Coal and Oil Calorimeters. Engineering, London, vol. 75, p. 667. 1 column+. I.

The Determination of the Calorific Power of Fuels. By S. L. Thacker. T. I. M. E., vol. 22, p. 75. 8 pages. I.

Modern Calorimeters and Their Use. By J. Struthers. Sch. Mines Quart., vol. 16, p. 201. 19 pages. I.

The Calorific Power of Illuminating Gas. By A. Witz. E. & M. J., vol. 41, p. 167. 1 column.

Comparative Effect in Steam: Production of Coal and Oil in California. E. & M. J., vol. 80, p. 932. Note.

Nova Scotia Coal as a Steam Producer. By F. H. Mason. T. F. C. M. I., vol. 1, p. 73. 9 pages.

X-Rays in Examination of Coal. E. & M. J., vol. 69, p. 321, 3¼ columns, I.; p. 547, note; vol. 67, p. 441, note; vol. 66, p. 11, ½ column.

Fuel Examination by X-Rays: An Easy and Rapid Process for Determining the Impurities in Mineral Fuel. By M. Couriot. M. & M., vol. 20, p. 51. 5½ columns. I.

Some Fuel Problems. By J. D. Weeks. T. A. I. M. E., vol. 25, p. 943.

The Effect of Altitude upon Combustion. By C. M. Palmer. E. & M. J., vol. 81, p. 134. 3 columns. D.

Gasification of Crude Fuels: The Difference Between Theoretic and Practical Values. By G. S. Dwight. E. & M. J., vol. 30, pp. 5, 24.

Relative Value of Fuels. By W. H. Kritzer. Min. & Sci. Press, vol. 87, p. 339. ⅔ column.

Comparative Value of Coal, Oil and Gas. P. E. Soc. W. Pa., vol. 10, p. 190. 7½ pages.

Percentage Reduction of Fuel Value of Coal by Ash. E. & M. J., vol. 81, p. 1102. Note.

The Fuel Value of Some Tennessee and Kentucky Coals. By C. E. Ferris. M. & M., vol. 26, p. 345. 2½ columns. I.

The Fuel Value of the North Dakota Lignites. By F. A. Wilder. E. & M. J., vol. 75, p. 222, 4 columns, I.; and p. 326, 3¼ columns, I.

Coke and Gas-Value of Coal. By C. Bender. E. & M. J., vol. 80, p. 256. ⅔ column.

Value and Technology of Iowa Coals. By G. W. Bissel. The Iowa Eng., June, 1904. Min. Mag., Aug., 1904, p. 141. 4 columns.

The Relative Value of Coals to the Consumer. By H. M. Chance. T. A. I. M. E., vol. 14, p. 19.

Coal and Its Combustion. By J. Hawthorn. Coll. Engr., vol. 10, p. 30. 2¾ columns.

Burning Bituminous Coals: Difficulties of Getting Complete Combustion. M. & M., Nov., 1901, p. 170.

The Burning of Anthracite. M. & M., Apr., 1905, p. 433. 1 column. I.

Anthracite Coal: Effect of Crushing Movements on Quality of Coal. By William Griffith. M. & M., Feb., 1903, p. 293.

The Comparative Efficiency of West Virginia Coals. By J. W. Paul. E. & M. J., vol. 61, p. 233. 1 column.

Coal as a Boiler Fuel. M. & M., May, 1903, p. 467; June, 1903, p. 503, 4 columns.

Why Less than 10 per Cent of the Coal's Energy is Used in Developing Power. Min. & Sci. Press, vol. 75, p. 484. 1½ columns.

Notes on the Energy and Utilization of Fuel; Solid, Liquid, and Gaseous. By W. J. Taylor. T. A. I. M. E., vol. 18, p. 859.

Cheap Fuels: Influence on Cost of Electrical Energy. By R. E. Crampton. Engineering, London, vol. 69, p. 69, 5 columns; p. 165, 1½ columns.

The Economic Use of Petroleum Oil: Gas Furnaces as Applied to Smelting, Laboratory Work, and Drill Heating. By D. Laird. J. C. & M. Soc. S. A., vol. 3, p. 178. 17½ pages.

Fuel-Economy in Engines and Boilers. By P. Barnes. T. A. I. M. E., vol. 13, p. 715.

Water and Fuel Economy in Stamp Mills. By A. W. Warwick. E. & M. J., vol. 69, p. 529. 1¾ columns. I.

Economy in Fuel. E. & M. J., vol. 79, p. 925. ½ column.

The Economy Effected by the Use of Red Charcoal. By B. Fernow. T. A. I. M. E., vol. 6, p. 199.

Coal, Gas and Coke as Domestic Fuels. By F. H. Mason. J. C. M. I., vol. 4, p. 135. 8 pages.

Notes on Coal. By C. F. White. J. W. Soc. E., vol. 1, p. 482. 9½ pages. I.

Notes on Some Coals in Western Canada. By Wm. H. Merritt. T. A. I. M. E., vol. 18, p. 313.

Notes on Some Chinese Coals. By J. C. F. Randolph. T. A. I. M. E., vol. 15, p. 110.

Note upon a Peculiar Variety of Anthracite. By E. B. Coxe. T. A. I. M. E., vol. 7, p. 213.

Notes on American Cannel Coal. By G. Macfarlane. T. A. I. M. E., vol. 18, p. 436.

Notes on the Rhode Island and Massachusetts Coals. By A. B. Emmons. T. A. I. M. E., vol. 13, p. 510.

Indiana Block Coal in Competition with Rival Fuels. By J. S. Alexander. T. A. I. M. E., vol. 1, p. 225.

The Character and Composition of the Lignite Coals of Colorado. By W. B. Potter. T. A. I. M. E., vol. 5, p. 365.

Composition and Value of Natural Gas. T. A. I. M. E., vol. 15, p. 527.

The Efficiency of Gaseous Fuels. By F. A. Matthewman. E. & M. J., vol. 57, p. 560. 1½ columns.

Valuation of Fuel-Gases. By E. G. Love. Sch. Mines Quart., vol. 13, p. 97. 8 pages. I.

Practical Classification of Fuel Gases. By H. Wurtz. E. & M. J., vol. 48, p. 49. 2¼ columns. I.

By-Products in Making Illuminating Gas, from 1 Ton Coal. Min. & Sci. Press, vol. 82, p. 3. Note.

Measuring Gas and Liquid Fuel. Min. & Sci. Press, vol. 79, p. 260. 1½ columns.

THE TESTING OF GAS-PRODUCERS. By S. S. Wyer. T. A. I. M. E., vol. 36, p. 53. 23 pages. I.

A TEST OF OILS: Viscosity and Acidity. Min. & Sci. Press, vol. 75, p. 33. ½ column.

TESTING OILS: Petroleums. Min. & Sci. Press, vol. 81, p. 149. ½ column.

THE WAY IN WHICH THE QUALITIES OF OIL ARE DETERMINED. By Julius Ohly. M. & M., Mar., 1902, p. 340. 1½ columns.

NATURAL-GAS TESTING IN CANADA. By P. Thompson. E. & M. J., vol. 82, p. 305. 1½ columns.

THE HEATING EFFECT OF COAL: A Description of Method of Determining with Apparatus which may be Constructed Easily and at Small Cost. By W. R. Crane. M. & M., May, 1902, p. 446. 6 columns. I.

THE ANALYTICAL VALUATION OF GAS-COALS. By G. P. Lishman. T. I. M. E., vol. 27, p. 516. 12 pages.

BIBLIOGRAPHY. T. I. M. E., vol. 27, p. 524. 2½ pages.

MANNER OF DETERMINING THE QUANTITY OF WATER AND SEDIMENT IN CRUDE PETROLEUM. Min. & Sci. Press, vol. 78, p. 484. 1¾ columns. I.

THE PETROLEUM OF NORTH AMERICA: Character of Oils, Fuel Values, Tests, etc. (Jour. of the Franklin Inst., Aug., 1906.) M. & M., vol. 27, p. 127. ¾ column.

FUEL VALUES OF OIL AND COAL. E. & M. J., vol. 80, p. 685. 1 column. Table.

COMPARISON OF OIL AND COKE AS A FUEL. M. & M., vol. 27, p. 369. 2 columns. I.

TESTS ON BEAUMONT OIL AS FUEL. E. & M. J., vol. 73, p. 169. 13 columns. I.

FORMULÆ FOR DETERMINING WHETHER OR NOT OIL CAN BE SUBSTITUTED FOR COAL AS A FUEL. Sch. Mines Quart., vol. 10, p. 369.

NOTE ON THE USE OF CRUDE PETROLEUM AS FUEL FOR RAISING STEAM AT THE SOUTH CHICAGO WORKS. By E. C. Potter. T. A. I. M. E., vol. 17, p. 807.

GEOLOGY, MINERAL AND FOSSIL FUEL DEPOSITS

Geologic Progress and Studies

THE GEOLOGICAL MAP OF THE UNITED STATES. By C. H. Hitchcock. T. A. I. M. E., vol. 15, p. 465.

A CATALOGUE OF OFFICIAL REPORTS UPON GEOLOGICAL SURVEYS OF THE UNITED STATES, STATES AND TERRITORIES AND OF BRITISH NORTH AMERICA. By F. Prime. T. A. I. M. E., vol. 7, p. 455.

NOTE ON THE NEW GEOLOGICAL MAP OF EUROPE. By P. Frazer. T. A. I. M. E., vol. 15, p. 681.

SUPPLEMENTS TO A CATALOGUE OF OFFICIAL REPORTS ON GEOLOGICAL SURVEYS OF THE UNITED STATES AND TERRITORIES AND OF BRITISH NORTH AMERICA. By F. Prime. T. A. I. M. E., vol. 8, p. 466; and vol. 9, p. 621.

GEOLOGICAL PROGRESS. By E. O. Hovey. E. & M. J., Jan. 12, 1905, p. 94. 4 columns.

THE UNITED STATES GEOLOGICAL SURVEY IN ITS RELATION TO THE PRACTICAL MINER. By S. F. Emmons. E. & M. J., vol. 74, p. 43. 2 columns.

THE GEOLOGICAL SURVEY AND THE WESTERN MINER. By T. A. Rickard. E. & M. J., vol. 74, p. 5. 2 columns.

A STUDY OF THE IGNEOUS ROCKS. By P. Frazer. T. A. I. M. E., vol. 5, p. 144.

NOTES ON THE STRUCTURE OF THE ROCKY MOUNTAINS IN THE LEWIS AND CLARKE TIMBER RESERVE, MONTANA. By R. H. Chapman. T. A. I. M. E., vol. 29, p. 153.

The Luray Caverns. By G. Lusk. Sch. Mines Quart., vol. 7, p. 149. 3 pages.

The Position of the American New Red Sandstone. By P. Frazer. T. A. I. M. E., vol. 5, p. 494.

Studies in Structural Geology. By B. Willis. T. A. I. M. E., vol. 21, p. 551.

The Life-History of Niagara. By J. Pohlman. T. A. I. M. E., vol. 17, p. 322.

The Crystalline Rocks of Virginia Compared with those of New England. By C. H. Hitchcock. T. A. I. M. E., vol. 10, p. 477.

Structural Relations of Ore-Deposits. By S. F. Emmons. T. A. I. M. E., vol. 16, p. 804.

A Lost Orebody. By H. J. Read. E. & M. J., vol. 79, p. 847. 2 columns. I.

Vein Outcrops. Min. & Sci. Press, vol. 91, p. 55. 1⅔ columns. I.

Outcrops: Croppings. By J. P. Wallace. Min. & Sci. Press, vol. 80, p. 148. 1¾ columns.

Metal-Bearing Conglomerates. Min. & Sci. Press, vol. 79, p. 117. 1⅔ columns.

Origin of Pebble-Covered Plains in Desert Regions. By W. P. Blake. T. A. I. M. E., vol. 34, p. 161.

Recent Estimates of Geological Time. E. & M. J., vol. 64, p. 487. 1¼ columns.

The Deformation of Rocks under Pressure. By F. D. Adams. E. & M. J., vol. 65, p. 522. 1½ columns.

Geological Features of the Azores: Interesting Illustrations of Peculiar Volcanic Effects Both Past and Present. By. O. H. Howarth. M. & M., Apr., 1903, p. 385. 8 columns.

Hydro-Geology. By P. Frazer. T. A. I. M. E., vol. 3, p. 108.

The Claiborne Group and its Remarkable Fossils. By P. H. Mell. T. A. I. M. E., vol. 8, p. 304.

On the Classification of Original Rocks. By T. Macfarlane. T. A. I. M. E., vol. 8, p. 63.

The Construction of Geological Cross-Sections. By H. M. Chance. T. A. I. M. E., vol. 9, p. 402.

The Application of Geology to Mining: How a Knowledge of Geology Throws Light on Difficult Questions in Mining. By J. E. Spurr. M. & M., Oct., 1902, p. 125. 4¾ columns.

On the Southern Limit of the Last Glacial Drift Across New Jersey and the Adjacent Parts of New York and Pennsylvania. By G. H. Cook. T. A. I. M. E., vol. 6, p. 467.

The Separation of Strata in Folding. By F. G. Bulkley. T. A. I. M. E., vol. 13, p. 384.

Porphyry. By T. A. Rickard. E. & M. J., vol. 59, p. 578. 1 column.

Falls of Rock from Slips of Bells. M. & M., vol. 19, p. 323. ¾ column.

Pot Holes: The Cause of the Cave-in at Mt. Lookout Colliery—How They were Formed and when They Occur. By. W. Griffith. Coll. Engr. & Met. Miner, vol. 17, p. 488. 2 columns.

On the Relation of Geology to Engineering. By B. Dawkins. Engineering, London, vol. 65, p. 383, 4 columns; and p. 409, 2 columns.

On the Bending of Beds Near Veins. By D. Burns. T. F. I. M. E., vol. 2, p. 64. 5 pages.

Deep-Sea Erosion. Engineering, London, vol. 76, p. 349. ⅔ column.

Geogenesis and Some of Its Bearings on Economic Geology. By P. Frazer. T. A. I. M. E., vol. 35, p. 298. 10 pages.

The Eroding Power of Ice. By J. S. Newberry. Sch. Mines Quart., vol. 6, p. 142. 10 pages.

The Syncline as a Structural Type. By T. A. Rickard. E. & M. J., vol. 75. p. 746. 3½ columns. I.

Simultaneous Joints. By G. F. Becker. E. & M. J., vol. 79, p. 1182. 8¼ columns. I.

Shrinkage and Pressure Joints. By W. L. Cathcart. Sch. Mines Quart., vol. 23, p. 140. 40 pages. I.

The Phenomenon of Rifting in Granite. By R. S. Tarr. E. & M. J., vol. 51, p. 604. 3 columns. I.

Metamorphism of Rock. Min. & Sci. Press, vol. 79, p. 313. 4 columns. I.

Desquamation and Decay of Rocks and the Formation of Boulders. Min. & Sci. Press, vol. 67, p. 309, 2⅓ columns; p. 327, 1⅔ columns; and p. 343, 1⅔ columns, I.

The Occurrence of Pebbles, Concretions and Conglomerates in Metalliferous Veins. By E. Halse. T. A. I. M. E., vol. 36, p. 154. 24 pages. I.

Origin of Obicular and Concretionary Structure. By W. P. Blake. T. A. I. M. E., vol. 36, p. 39. 11 pages. I.

The Study of Stratigraphy. By W. A. Parks. J. C. M. I., vol. 7, p. 168. 8½ pages.

A Remarkable Folded Vein in the Ready Relief Mine. By H. W. Fairbanks. E. & M. J., vol. 57, p. 321. 1¼ columns. I.

Notes about the Geology and Hydrology of the Great Lakes. By P. Vedel. J. W. Soc. E., vol. 1, p. 405. 27½ pages. I.

Geological and Mineral Resources of the Rio Grande Region in Texas and Coahuila. By E. J. Schmitz. T. A. I. M. E., vol. 13, p. 388.

Theory of the Origin of Cleavage Planes in Sandstone. By T. P. Roberts. P. E. Soc. W. Pa., vol. 6, p. 150. 10 pages.

Some Recent Rock Movements in the Laurentian and Huronian Areas. By S. D. Mills. J. C. M. I., vol. 7, p. 177. 8½ pages.

The Chronology of the Mississippian System. By J. L. Greenleaf. Sch. Mines Quart., vol. 19, p. 296. 5½ pages. I.

The Age of the Homestake Lode, South Dakota. By G. C. Hewett. E. & M. J., vol. 75, p. 563. 1¼ columns.

Cambrian Ore Deposits in the Black Hills. Min. & Sci. Press, vol. 86, p. 212. 1½ columns.

Natural Distortion of Rock in Place as Shown on the Chicago Drainage Canal. By C. L. Harrison. J. W. Soc. E., vol. 2, p. 25. 18 pages. I.

On the Decayed Rocks of Hoosac Mountains. By T. S. Hunt. T. A. I. M. E., vol. 3, p. 187.

Artesian Well Prospects in Eastern Virginia, Maryland, and Delaware. By N. H. Darton. T. A. I. M. E., vol. 24, p. 372.

Hot Springs. By E. Suess. E. & M. J., vol. 76, p. 8, 6 columns, I.; and p. 52, 4 columns.

Geysers. By W. H. Weed. Sch. Mines Quart., vol. 11, p. 289. 18 pages. I.

Soaping Geysers. By R. W. Ramond and A. Hague. T. A. I. M. E., vol. 17, pp. 449 and 546.

Hot-Spring Formations in Red Mountain District, Colorado. By T. B. Comstock. T. A. I. M. E., vol. 17, p. 261.

Breathing Wells: Some Illustrations Showing the Principles Governing their Action which are of Special Interest to Miners. By W. H. Booth. M. & M., June, 1903, pp. 310 and 507. 1½ columns.

Pre-Cambrian Sediments in the Adirondacks. By J. F. Kemp. E. & M. J., vol. 69, p. 769. 2 columns.

Glacial Erosion and the Origin of the Yosemite Valley. By W. P. Blake. T. A. I. M. E., vol. 29, p. 823.

The Fossil Forests of the Yellowstone. By W. H. Weed. Sch. Mines Quart., vol. 13, p. 230. 7 pages. I.

Contributions to the Geology of Alabama. By E. J. Schmitz. T. A. I. M. E., vol. 12, p. 144.

Geology and Mineral Resources of Kumaon and Garhwal, Northwestern Provinces of British India. By F. J. Stephens. T. I. M. & M., vol. 10, p. 393. 24 pages. I. Map.

The Geology of Buffalo as Related to Natural-Gas Explorations along the Niagara River. By C. A. Ashburner. T. A. I. M. E., vol. 17, p. 398.

Some Notes on the Geology of Arizona. By J. F. Blandy. E. & M. J., vol. 56, p. 473. 2 columns.

Notes on the Geology of Southeastern Arizona. By E. T. Dumble. T. A. I. M. E., vol. 31, p. 696.

Notes on Arizona Geology. By T. B. Comstock. E. & M. J., vol. 60, p. 369. 1½ columns.

The Geology of Africa in Relation to Its Mineral Wealth. By W. Gibson. T. F. I. M. E., vol. 12, p. 303. 24 pages. I.

The Geology of the Congo. By X. Stainier. T. I. M. E., vol. 15, p. 491. 11 pages. I.

List of Literature on African Geology. T. F. I. M. E., vol. 12, pp. 320, 321, 322.

Geology of Matabeleland. T. I. M. & M., vol. 10, p. 343.

Note on the Geology of Lake Nasysa. By A. Richardson. T. I. M. & M., vol. 9, p. 177. 4 pages.

Notes on the Structural Geology of South Africa. By C. Sandberg. T. I. M. E., vol. 33, p. 540. 18 pages. I.

Note on the Geology of Lake Nyassa. By A. Richardson. E. & M. J., vol. 71, p. 152. ½ column.

The Geological Features of Rhodesia. By G. Jenkins. E. & M. J., vol. 63, p. 571. ¾ column.

The Geological Record of the Rocky Mountain Region in Canada. By G. M. Dawson. E. & M. J., vol. 71, p. 51; and Geol. Soc. of Am., Dec. 29, 1900. 2 columns.

Geology of the Sudbury District. E. & M. J., vol. 78, p. 1022. 2 columns. I.

The Rocks of Manitoba and the Northwest, and Useful Clays. E. & M. J., vol. 62, p. 57. 1¼ columns.

The La Plata Mountains, Colorado. By H. C. Freeman. T. A. I. M. E., vol. 13, p. 681.

The Geological and Vein-Structure of Southwestern Colorado. By T. B. Comstock. T. A. I. M. E., vol. 15, p. 218.

The Geology and Vein Systems of the Mount Wilson Mining District, Colorado. By F. L. Nason. E. & M. J., June 9, 1900, p. 681. 3 columns. I.

Geology along the Animas River: With Description of Coal and Metal Mines along Its Course, Including Sketch of the Salt Lake Mine. By A. Lakes. M. & M., Apr., 1902, p. 398. 3¾ columns.

Peculiar Formations of the Mexican Arid Region. By R. F. Hill. E. & M. J., vol. 83, p. 662. 14 columns. I.

Characteristics of Some Mexican Mining Regions. By R. T. Hill. E. & M. J., vol. 84, p. 631. 13 columns. I.

Geological Section along the New and Kanawha Rivers in West Virginia. By M. R. Campbell and W C. Mendenhall. U. S. G. S., 17th Ann. Rept., pt. 2, pp. 473–511. 1896.

The Geology of the Veta Madre. By T. A. Rickard. Min. & Sci. Press, vol. 94, p. 534. 5½ columns. I.

Paleozoic Strata in Sonora. By F. J. H. Merrill. E. & M. J., vol. 82, p. 887. 1 column.

GEOLOGY OF THE MINES OF EL ORO, MEXICO. Min. & Sci. Press, vol. 93, p. 350. 9½ columns. I.

THE GEOLOGY OF THE CERRILLOS HILLS, NEW MEXICO. By D. W. Johnson. Sch. Mines Quart., vol. 25, p. 69, 30 pages, I.; vol. 24, p. 173, 46 pages, I.; p. 303, 58 pages, I.; and p. 456, 44 pages, I.

GEOGRAPHIC AND GEOLOGIC FEATURES OF MEXICO. By R. T. Hill. E. & M. J., vol. 72, p. 561. 10 columns. I.

GEOLOGY OF THE SAN PEDRO DISTRICT, SAN LUIS POTOSI, MEXICO. By G. I. Finlay. Sch. Mines Quart., vol. 25, p. 60. 8 pages. I.

EVIDENCES OF PLICATION IN THE ROCKS OF CANANEA, SONORA. By W. P. Blake. T. A. I. M. E., vol. 35, p. 551. 2 pages.

SOME GEOLOGICAL FEATURES OF THE MINES OF VELARDENA, MEXICO. By C. S. Fogle. E. & M. J., vol. 57, p. 29. 2½ columns. I.

THE GEOGRAPHIC AND GEOLOGIC FEATURES, AND THEIR RELATION TO THE MINERAL PRODUCTS, OF MEXICO. By Robert T. Hill. T. A. I. M. E., vol. 32, p. 163.

NOTES ON THE GEOLOGY OF SONORA, MEXICO. By E. T. Dumble. T. A. I. M. E., vol. 29, p. 122.

NOTES ON A SECTION ACROSS THE SIERRA MADRE OCCIDENTAL OF CHIHUAHUA AND SINALOA, MEXICO. By W. H. Weed. T. A. I. M. E., vol. 32, p. 444.

THE GEOLOGICAL POSITION OF THE PHILADELPHIA GNEISSES. By C. H. Hitchcock. T. A. I. M. E., vol. 12, p. 68.

THE NORTHERN SERPENTINE BELT IN CHESTER COUNTY, PENNSYLVANIA. By P. Frazer. T. A. I. M. E., vol. 12, p. 349.

GEOLOGY OF WEST VIRGINIA. By I. C. White. M. & M., Nov., 1901, p. 153.

A SECTION OF RICH PATCH MOUNTAIN AT IRON GATE, VIRGINIA. By E. J. Schmitz. T. A. I. M. E., vol. 25, p. 477.

THE MESOZOIC FORMATION IN VIRGINIA. By O. J. Heinrich. T. A. I. M. E., vol. 6, p. 227.

GREAT SALT LAKE BASIN: A Description of the Terraces which Show the Shores of the Ancient Lake when It was Much Larger Than Now. By A. Lakes. M. & M., Oct., 1902, p. 112. 2 columns.

GREAT SALT LAKE AND ITS WATERS: A History of the Early Explorations that Led to Its Discovery. By Don Maguire. M. & M., vol. 21, p. 4. 8 columns. I.

TOPOGRAPHY AND STRUCTURE IN THE BAYS MOUNTAINS, TENNESSEE. By B. Willis. Sch. Mines Quart., vol. 8, p. 242. 10 pages. I.

THE ANIMIKIE ROCKS AND THEIR VEIN-PHENOMENA, AS SHOWN AT THE DUNCAN MINE, LAKE SUPERIOR. By W. M. Courtis. T. A. I. M. E., vol. 15, p. 671.

THE GEOLOGICAL RELATIONS OF THE PRINCIPAL NOVA SCOTIA MINERALS. By E. Gilpin, Jr. T. A. I. M. E., vol. 18, p. 198.

GEOLOGY OF ELY, NEVADA. E. & M. J., vol. 84, p. 676. 3 columns.

THE GEOLOGY OF THE HAILE MINE, SOUTH CAROLINA. By A. Thies and A. Mezger. T. A. I. M. E., vol. 19, p. 595.

GEOLOGICAL SKETCH OF FLORIDA. By E. T. Cox. T. A. I. M. E., vol. 25, p. 28.

GEOLOGICAL EXCURSION THROUGH SOUTHERN RUSSIA. By S. F. Emmons. T. A. I. M. E., vol. 28, p. 3.

NOTES ON THE GEOLOGICAL STRUCTURE OF THE CAUCASUS RANGE ALONG THE GEORGIA MILITARY ROAD. By P. Frazer. T. A. I. M. E., vol. 28, p. 289.

NOTES OF A RECONNAISSANCE FROM SPRINGFIELD, MISSOURI, INTO ARKANSAS. By E. J. Schmitz. T. A. I. M. E., vol. 28, p. 264.

THE GEOLOGY AND GEOLOGICAL RESOURCES OF IOWA: The Formations and Their Economic Values. By S. Colvin. M. & M., July, 1902, p. 560. 3¼ columns.

GEOLOGY OF SOUTHWESTERN TEXAS. By. E. T. Dumble. T. A. I. M. E., vol. 33, p. 913.

A COMPARISON OF THE EOZOIC AND LOWER PALEOZOIC IN SOUTH WALES WITH THEIR APPALACHIAN ANALOGUES. By P. Frazer. T. A. I. M. E., vol. 11, p. 479.

NOTES FROM THE LITERATURE ON THE GEOLOGY OF EGYPT, AND EXAMINATION OF THE SYENITIC GRANITE OF THE OBELISK WHICH LIEUTENANT-COMMANDER GARRINGE, U. S. N., BROUGHT TO NEW YORK. By P. Frazer. T. A. I. M. E., vol. 11, p. 353.

GEOLOGY OF JAPAN. T. A. I. M. E., vol. 5, p. 239.

GEOLOGY OF MINNESOTA: Description of Formations and Economic Products. By C. W. Hall. M. & M., July, 1903, p. 532.

GEOLOGICAL HISTORY OF THE YELLOWSTONE NATIONAL PARK. By A. Hague. T. A. I. M. E., vol.16, p. 783.

NOTES ON THE TOPOGRAPHY AND GEOLOGY OF THE CERRO DE PASCO, PERU. By A. D. Rogers. T. A. I. M. E., vol. 16, p. 729.

NOTES ON THE TOPOGRAPHY AND GEOLOGY OF WESTERN NORTH CAROLINA: The Hiawassee Valley. By H. E. Colton. T. A. I. M. E., vol. 16, p. 804.

THE PEACH BOTTOM SLATES OF SOUTHEASTERN YORK AND SOUTH LANCASTER COUNTIES. By P. Frazer. T. A. I. M. E., vol. 12, p. 355.

NOTES ON THE GEOLOGY OF FINLAND. By H. P. Gurney. T. I. M. E., vol. 15, p. 142. 12 pages.

SKETCH OF THE GEOLOGY OF THE BIRMINGHAM DISTRICT. By C. Lapworth. T. F. I. M. E., vol. 3, p. 10. 14 pages.

NOTES ON THE GEOLOGY OF THE NORTHERN PORTION OF THE BOISDALE HILLS ANTICLINE. By S. H. Boright. J. C. M. I., vol. 6, p. 411. 24 pages. I.

A GEOLOGICAL CROSS-SECTION OF THE WESTERN CORDILLERA ALONG THE RIO HUASCO, SOUTH AMERICA. By S. H. Loram. T. A. I. M. E., vol. 35, p. 879. 8 pages. I.

THE LAKE SUPERIOR COPPER ROCKS IN PENNSYLVANIA. T. A. I. M. E., vol. 7, p. 331.

NOTES ON THE GEOLOGY OF THE ISTHMUS OF PANAMA. By H. W. Edwards. E. & M. J., vol. 73, p. 862. 1¾ columns.

GEOLOGICAL NOTES ON SINKING LANGSETT AND UNDERBANK CONCRETE TRENCHES IN THE LITTLE DON VALLEY. By Wm. Watts. T. I. M. E., vol. 31, p. 668. 15 pages. I.

GEOLOGY OF THE PALEOZOIC AREA OF ARKANSAS SOUTH OF THE NOVACULITE REGION. By George H. Ashley. Proc. Am. Phil. Soc., vol. 36, No. 155, 1897, pp. 306–308. Reprinted in Contributions to Biology from the Hopkins Seaside Laboratory, No. 12, Stanford Univ., 1897, pp. 306–308.

A PRELIMINARY EXAMINATION OF THE GEOLOGY OF WESTERN-CENTRAL ARKANSAS. By Theo. B. Comstock. Ann. Rept. Arkansas Geol. Survey, 1888, vol. 1, pp. 136–137.

FISSURE VEINS IN THE CABINET ANTICLINAL, LIBBY, MONTANA. By H. Wood. E. & M. J., vol. 54, p. 605. 1 column.

BRIEF MEMORANDUM ON THE GEOLOGY OF THE PHILIPPINE ISLANDS. U. S. G. S., 20th Ann. Rept., pt. 2, pp. 3–7. 1900.

GEOLOGY OF HAWKINS HILL AND HILL END, NEW SOUTH WALES. T. I. M. & M., vol. 9, p. 277.

THE ADAMS LAKE SERIES, BRITISH COLUMBIA. By H. J. Evans. Min. & Sci. Press, vol. 86, p. 348. 1⅓ columns.

SKETCH OF THE GEOLOGY OF UPPER BURMAH: the Khan States to Western China. Min. & Sci. Press, vol. 25, p. 33. 4 columns. I.

THE GEOGRAPHICAL AND GEOLOGICAL DISTRIBUTION OF THE MINERAL DEPOSITS OF MEXICO. By J. G. Aguilera. T. A. I. M. E., vol. 32, p. 497.

GEOLOGY OF SONORA, MEXICO. By F. J. H. Merrill. E. & M. J., vol. 80, p. 970. 3 columns.

RECENT LITERATURE ON ECONOMIC GEOLOGY. By E. C. Eckel. E. & M. J., vol. 77, p. 286, 1½ columns; p. 320, 1¾ columns; p. 365, 1½ columns; p. 406, 1½ columns; p. 445, 1 column; p. 485, 1 column; and p. 525, 1 column.

RECENT LITERATURE ON ECONOMIC GEOLOGY. By H. F. Bain. E. & M. J., vol. 77, p. 570, 1 column; p. 610, 1 column; p. 649, 1 column; p. 688, 1 column; p. 729, 1 column; p. 770, 1 column; p. 809, 1 column; p. 848, 1¼ columns; p. 930, 1 column; p. 970, 1 column; p. 1011, 1 column; p. 1050, 1¼ columns; vol. 78, p. 27, 1 column; p. 68, 1 column; p. 108, 1 column; p. 148, 1 column; p. 187, 1 column; p. 228, 1 column; p. 268, 1 column; p. 308, 1 column; p. 355, 1 column; p. 396, 1 column; p. 437, 1 column.

HYDROGRAPHIC INVESTIGATIONS OF THE UNITED STATES GEOLOGICAL SURVEY IN THEIR RELATION TO MINING. By F. H. Newell. T. A. I. M. E., vol. 30, p. 217.

PROGRESS REPORT ON PARK CITY MINING DISTRICT, UTAH. By J. M. Boutwell. U. S. G. S., Bull. No. 213, pp. 31–40. 1903.

ECONOMIC GEOLOGY OF THE MERCUR MINING DISTRICT, UTAH. By J. E. Spurr. U. S. G. S., 16th Ann. Rept., pt. 2, pp. 343–455. 1895.

GEOLOGY AND MINING INDUSTRY OF THE TINTIC DISTRICT, UTAH. By G. W. Tower and G. O. Smith. U. S. G. S., 19th Ann. Rept., pt. 3, pp. 601–767. 1899.

ECONOMIC GEOLOGY OF THE MERCUR MINING DISTRICT, UTAH. U. S. G. S., 16th Ann. Rept., pt. 2, pp. 349–369. 1895.

ECONOMIC GEOLOGY OF THE BINGHAM MINING DISTRICT, UTAH. U. S. G. S., Professional Paper No. 38. 413 pages. 1905.

THE GEOLOGICAL RELATIONS OF THE SOUTHERN APPALACHIAN BAUXITE DEPOSITS. By C. W. Hayes. T. A. I. M. E., vol. 24, pp. 243, 855.

ECONOMIC GEOGRAPHY. J. C. M. I., vol. 6, p. 317. 10 pages.

AREAL WORK OF THE UNITED STATES GEOLOGICAL SURVEY. By W. J. McGee. T. A. I. M. E., vol. 21, p. 608.

Types of Veins and Examples

CHARACTERISTICS OF LODES. E. & M. J., vol. 11, pp. 49, 74, 97.

THEORIES OF VEIN FORMATION. By J. Park. E. & M. J., vol. 79, p. 993, 4 columns; p. 941, 3 columns.

MINERALIZATION AND GANGUE. E. & M. J., vol. 78, p. 333. 1½ columns.

THE IRREGULARITIES OF LODES, VEINS AND BEDS. E. & M. J., vol. 43, p. 454. 3 columns. I.

THE ORIGIN OF VEINS AND FORMATION OF MINERAL LODES. By J. H. Morton. Min. & Sci. Press, vol. 27, p. 402. 1¼ columns.

VEIN STRUCTURE: Some Observations in Regard to the Manner of Vein Formations and the Forces Causing Them. By O. H. Howarth. M. & M., Mar., 1905, p. 369. 4½ columns. I.
E. & M. J., vol. 75, p. 589. ⅔ column.

A GASH VEIN IN FOLDED FORMATION. Min. & Sci. Press, vol. 89, p. 6. 1 column. I.

IDENTITY AND CONTINUITY OF VEINS. Min. & Sci. Press, vol. 87, p. 233, 2¾ columns, I.; p. 249, 3 columns+, I.; p. 273, 1 column.

The Origin of Vein Cavities. By F. L. Nason. E. & M. J., vol. 71, p. 177, 5 columns, I.; and p. 209, I.

Volger's Theory of Veins. By A. Mezger. E. & M. J., vol. 10, p. 179. 1 column.

Two Varieties of California Fissure Veins. Min. & Sci. Press, vol. 73, p. 237. 2 columns.

The Indicator Vein, Ballarat, Australia. By T. A. Rickard. T. A. I. M. E., vol. 30, p. 1004.

The Veins of Boulder and Kalgoorlie. By T. A. Rickard. T. A. I. M. E., vol. 33, p. 567.

Vein Structure, Nevada and Amador Counties, California. Min. & Sci. Press, vol. 75, p. 593. 2 columns. I.

Do Fissure-Veins Grow Wider in Depth? E. & M. J., vol. 6, p. 345. 1 column.

Common Rule for Determining Dip of Ore Chutes, Often Found True in California Mines. Min. & Sci. Press, vol. 70, p. 213. Note.

Vein Geology of California Gold. Min. & Sci. Press, vol. 27, p. 280. 1 column.

True Fissures vs. Shearage-Zone Veins. By A. Lakes. M. & M., July, 1900, p. 565. 2 columns.

Vein-Walls. By T. A. Rickard. T. A. I. M. E., vol. 26, pp. 193, 1053.

What is a Pipe-Vein? By R. W. Raymond. T. A. I. M. E., vol. 6, p. 393.

The Form of Fissure-Walls as Affected by Sub-Fissuring and by the Flow of Rocks. By Wm. Glenn. T. A. I. M. E., vol. 25, p. 499.

The Formation of Fissures and the Origin of their Mineral Contents By A. J. Brown. T. A. I. M. E., vol. 2, p. 215.

The Origin of Vein Cavities. By F. L. Nason. E. & M. J., vol. 71, pp. 177, 209. 5 columns. I.

The Formation of Veins: A Brief Statement of General Principles. By J. F. Kemp. Min. Mag., Aug., 1904, p. 89. 10 columns.

Vein-Walls. E. & M. J., vol. 63, p. 424. 1 column. I.

The Camp Bird and Smuggler-Union Fissures. E. & M. J.,′ vol. 79, p. 1243. 4 columns. I.

Fissure-Veins. By R. W. Raymond. E. & M. J., vol. 80, p. 961. 3 columns.

Two Curious Formations: Remarkable Vein Formations. Min. & Sci. Press, vol. 67, p. 333. 1½ columns. I.

Mineral and Metalliferous Veins Min. & Sci. Press, vol. 52, p. 262. 2 columns.

Metalliferous Deposits in Fissures. Min. & Sci. Press, vol. 71, p. 56. 3½ columns.

Mineral-Bearing Veins. Min. & Sci. Press, vol. 71, p. 104. 2½ columns.

Some Notes on Vein "Crossings." Min. & Sci. Press, vol. 72, p. 166. 2 columns. I.

True Fissure Veins. Min. & Sci. Press, vol. 37, p. 310. 3 columns. I.

Mineral Veins. By J. A. Phillips. Min. & Sci. Press, vol. 39, p. 198, 2¾ columns; and p. 214, 3½ columns.

The Lodes of Poni'gibaud, France. By T. A. Rickard. E. & M. J., vol. 58, p. 124, 3 columns; and p. 150, 2 columns.

Formation of Quartz Veins. Min. & Sci. Press, vol. 17, p. 135. ⅔ column.

Discussion on the Origin of Mineral Veins. Min. & Sci. Press, vol. 17, p. 210. 2¼ columns.

Fissures or Deposits. Min. & Sci. Press, vol. 27, p. 274. ⅔ column.

Some Surface Characteristics of Fissure Veins. By T. F. Van Wagenen. E. & M. J., vol. 13, p. 209. 2 columns.

Strike and Dip of Mineral Veins as Influencing their Riches. E. & M. J., vol. 6, p. 136. 1½ columns.

Dikes. By J. F. Kemp. Min. & Sci. Press, vol. 94, p. 85. 7¼ columns. I.

The Mother Lode. Min. & Sci. Press, vol. 67, p. 419. 2⅓ columns. I.

Physical Features of the Mother Lode. Min. & Sci. Press, vol. 68, p. 17. 2 columns. I.

The Great East Lode of California. Min. & Sci. Press, vol. 70, p. 100. 2⅙ columns.

The West Side Lode. Min. & Sci. Press, vol. 71, p. 2. 2½ columns. I.

Quartz Veins in New England. E. & M. J., vol. 78, p. 556. 1¼ columns.

Calaveras County Mother Lode Region. Min. & Sci. Press, vol. 72, p. 66. 1 column. I.

The Mother Lode of California. Min. & Sci. Press, vol. 26, p. 170. 1⅙ columns.

The Mother Lode in Amador County, California. Min. & Sci. Press, vol. 90, p. 100, 2⅓ columns; p. 116, 2 columns+.

The Mother Lode of California, By R. E. Browne. T. A. I. M. E., California Mines and Minerals, p. 57.

Reprint from Jubilee Edition. Min. & Sci. Press, Jan., 1898. 16 pages. I.

The Mother Lode of California. Min. & Sci. Press, vol. 86, p. 3. Note.

The Mother Lode in Tuolumne County, California. Min. & Sci. Press, vol. 89, pp. 189, 210, 237, 257, 271, 343. 3 columns. I.

The Father Lode of California. Min. & Sci. Press, vol. 89, p. 136. 3½ columns. I.

The Father Lode Extended. Min. & Sci. Press, vol. 89, p. 190. ½ column.

The East Lode of California. Min. & Sci. Press, vol. 89, p. 410. 1 column+.

The Eureka Lode, Eastern Nevada. Min. & Sci. Press, vol. 34, p. 214. 1½ columns.

A New Feature of the Comstock Lode. Min. & Sci. Press, vol. 31, p. 264. 1¾ columns.

Geology of the Comstock Lode. Min. & Sci. Press, vol. 47, p. 416. 1⅓ columns; E. & M. J., vol. 40, p. 397. 2 columns.

Faults: Rules Regarding Them, etc.

Literature on Faults. Coll. Engr., vol. 13, p. 81. ⅔ column.

Literature on Faults. T. A. I. M. E., vol. 21, p. 501.

Classification of Faults and Fractures into Series and Sets and Its Practical Application. By F. J. Fohs. E. & M. J., vol. 81, p. 553. 5 columns.

Faults and Other Disturbances in the Coal-Measures: Kinds. P. C. M., vol. 1, p. 20. 26 pages. I.

The Extraordinary Faulting at the Berlin Mine, Nevada. By E. Daggett. E. & M. J., vol. 83, p. 617. 14½ columns. I.

Block-Faulting and Its Relation to Ore Deposition. By W. P. Jenney. Min. & Sci. Press, vol. 92, p. 54. 4½ columns. I.

Fault Breccia Veins in the Sierra Madre. By R. M. Bagg. Min. & Sci. Press, vol. 92, p. 125. 1 column. I.

Dikes and Faults on the Rand. Gold Mines of the Rand, p. 56. 9 pages. I.

Peculiar Sinuous Faults Noted on Forty Mile Creek, Yukon District. U. S. G. S., 18th Rept., pt. 3, p. 150. I.

The Fault System of Eastern Santa Eulalia. By M. A. Knapp. E. & M. J., vol. 81, p. 994. 4½ columns. I.

Faults in California Mines. Min. & Sci. Press, vol. 67, p. 369. 2¾ columns. I.

A Peculiar Fault and a Problem in Coal Mining (One-half Mile Displacement). By A. Lakes. M. & M., vol. 20, p. 439. 1½ columns. I.

An Interesting Fault-System. By C. G. Gunther. E. & M. J., vol. 80, p. 1013. 1¼ columns. I.

Dislocation-Dykes and Faults. The Witwatersrand Gold-Fields, p. 94. 28 pages. I.

Faulting in Veins. E. & M. J., vol. 53, p. 469, 1¼ columns; p. 517, ½ column, I.; p. 548, 3⅓ columns; p. 565, 1¼ columns; p. 613, 2 columns; p. 637, 1¾ columns; vol. 54, p. 27, 1¼ columns.

Faulting in the Globe District, Arizona. E. & M. J., vol. 77, p. 802. 6⅓ columns. I.

Irregularities of Lodes, Veins, and Faults. By W. B. Phillips. E. & M. J., vol. 44, p. 4, 2 columns, I.; p. 21, 2 columns, I.; p. 60, 1 column, I.; p. 79, 1⅔ columns, I.; p. 96, I.; p. 113, 2 columns, I.; p. 130, 1⅔ columns, I.; vol. 43, p. 454, 3 columns, I.

Is a Faulted Fissure Always the Oldest? A Study of Faults. By C. Heinrich. E. & M. J., vol. 48, p. 159, 1 column, I.; and p. 179, ¼ column.

Horizontal Thrusting in Joints: Mineral Veins and Faults in the Northwest of England. By C. E. de Rance. T. I. M. E., vol. 16, p. 415. 18 pages. I.

Faults: Recovery of Faulted Beds and Veins; Relation of Folds to Faults and of Both to Metalliferous Deposits. By A. Williams. M. & M., vol. 18, p. 298. 7½ columns. I.

The Cause of Faulting. By J. A. Church. T. A. I. M. E., vol. 21, p. 782.

Hoefer's Method of Determining Faults in Mineral Veins. By R. W. Raymond. T. A. I. M. E., vol. 10, p. 456.

Folding and Faulting Reproduced Artificially by United States Geological Survey. T. A. I. M. E., vol. 21, p. 551.

A Complicated Fault-System. By H. C. Bacon. E. & M. J., Feb. 16, 1905, p. 324. 2¾ columns. I.

The Great London Fault of the Mosquito Range and the London Mine: An Illustration of the Evolution of a Fault. By A. Lakes. M. & M., vol. 21, p. 204. 3 columns. I.

Folds and Faults in Pennsylvania Anthracite-Beds. By B. Smith Layman. T. A. I. M. E., vol. 25, pp. 327, 1010.

A Lesson on Faults: Sketch of the Aspen Mining Region, Colorado, in which the Effects of Faulting in the Past, and Still Going on, are Shown. By A. Lakes. M. & M., Mar., 1902, p. 341. 5 columns. I.

Faults in Metal Mines: The Different Types and Their Various Manifestations; Their Effect upon Ore Deposition. By A. Lakes. M. & M. July, 1902, p. 541. 2½ columns.

Faulting and Accompanying Features Observed in Glacial Gravel and Sand in Southern Michigan. By Carl Heinrich. T. A. I. M. E., vol. 26, pp. 460, 1102.

Mutual Displacement by Intersecting Veins. By W. H. Weed. E. & M. J., vol. 83, p. 1145. 4 columns. I.

Examples of Faulting. Min. & Sci. Press, vol. 93, p. 322. 2 columns. I.

Methods of Investigating Problems in Faulting. By C. F. Tolman, Jr. Min. Mag., vol. 13, p. 99. 20 columns. I.

Faults: Locating Displaced Portions. E. & M. J., vol. 22, p. 121. 2 columns. I.

Fault Rules. By F. Freeland. T. A. I. M. E., vol. 21, p. 491.

Zimmermann's Rule for Faults. E. & M. J., vol. 44, p. 113. 2 columns. I.

The Law of Faults. Min. & Sci. Press, vol. 86, p. 116. 1½ columns.

Rules to Discover the Lost Part of a Shifted Vein. Min. & Sci. Press, vol. 17, p. 62. ⅔ column.

Air-Blasts, Volcanoes and Earthquakes

AIR-BLASTS. E. & M. J., vol. 79, pp. 667, 717. 1 column.

CAVE-IN OF THE BON AIR SHAFT, LEADVILLE, COLORADO. By H. Lee. M. & M., vol. 19, p. 459. 2½ columns. I.

AIR BLAST IN COPPER MINES. E. & M. J., vol. 81, p. 537. Note.

AIR-BLASTS IN MINES. Min. & Sci. Press, vol. 92, p. 118. 1 column.

AIR BLASTS. Min. & Sci. Press, vol. 93, p. 762. 1½ columns. I.

CAUSE OF AIR-BLASTS IN THE MINES AT PRIBRAM, BOHEMIA. By H. Stefan. Min. & Sci. Press, vol. 93, p. 789. 3¾ columns. I.

STRESSES IN THE COUNTRY ROCK AS THE CAUSE OF AIR BLASTS IN THE MINES AT PRIBRAM, BOHEMIA. By Hugo Stefan. Sch. Mines Quart., vol. 27, p. 423. 8½ pages. I.

GOAF-BLASTS. E. & M. J., vol. 80, p. 933. Note.

GOAF-BLASTS IN MINES IN THE GIRIDIH COAL FIELD, BENGAL, INDIA. By T. Adamson. T. I. M. E., vol. 29, p. 425. 14 pages. I.

EXPLOSIVE ROCK. By J. B. Jaquet. E. & M. J., vol. 80, p. 310. 2 columns. I.

EXPLOSIVE ROCK. By J. B. Jaquet. E. & M. J., Mar. 30, 1905, p. 605. 5 columns. I.

Mysore Geol. Dept., Rept. of Chief Inspector of Mines, 1903, pp. 45–66.

Aubrey Strachan, Geol. Mag., 1887, pp. 400–408.

BUMPS AND OUTBURSTS OF COAL. By F. G. Meachem. T. F. I. M. E., vol. 12, p. 612. 6 pages. I.

NOTES ON AN EARTH EXPLOSION OR "BUMP" AT HAMSTEAD COLLIERY. By F. G. Meachem. T. F. I. M. E., vol. 5, p. 381. 6 pages. I.

EXPLOSIVE ROCK AND COAL. M. & M., vol. 27, p. 99. 2¾ columns. I.

THE WIND-BLAST THEORY. M. & M., vol. 27, p. 118. 1 column.

THE PROBABLE CAUSE OF THE SAN FRANCISCO EARTHQUAKE. By F. L. Ransome. Min. & Sci. Press, vol. 92, p. 296. 3 columns. I.

REPORT OF THE STATE EARTHQUAKE COMMISSION. Min. & Sci. Press, vol. 92, p. 299. 7 columns. I.

THE EARTHQUAKE EXPLAINED. By A. S. Cooper. Min. & Sci. Press, vol. 92, p. 301. 2 columns. I.

EFFECTS OF THE EARTHQUAKE. By D'Arcy Weatherbe. Min. & Sci. Press, vol. 92, p. 302. 1 column.

EARTHQUAKES. By J. S. Newberry. Sch. Mines Quart., vol. 8, p. 1. 20 pages.

LINE OF ORIGIN OF THE CHARLESTON EARTHQUAKE. By E. Starek. Sch. Mines Quart., vol. 8, p. 64. 10 pages. I.

THE INDIAN EARTHQUAKE OF JUNE 12, 1897. Engineering, London, vol. 70, p. 105, 6 columns, I.; p. 172, 2 columns; p. 423, 6 columns, I.

EARTHQUAKE PHENOMENA IN ARIZONA. E. & M. J., vol. 43, p. 417. 1½ columns.

RECENT EARTH MOVEMENTS: An Account of Some Movements in the Rocky Mountains as Shown by Effects on Streams and Mines. By A. Lakes. M. & M., Dec., 1902, p. 228. 2 columns.

VOLCANOES AND VOLCANIC DUST. By T. Andrews. Engineering, London, vol. 75, p. 97, 5 columns; p. 195, 10 columns.

A NATURAL SYSTEM OF VOLCANIC ROCKS: Memoir California Academy of Science, San Francisco, 1868.

MUD VOLCANOES. M. & M., Aug., 1903, p. 33.

VOLCANOES: The Manner of their Eruption, their Effect upon the Deposition of Minerals; their Relation to Mining Fields in Colorado. By A. Lakes. M. & M., July, 1902, p. 554. 5 columns.

The Cripple Creek Volcano. By T. A. Rickard. T. A. I. M. E., vol. 30, p. 367.

Theory of Ore Deposits, Origin of Coal, Petroleum, etc.

On a Deficiency in the Nomenclature of Mineral Deposits. By H. Louis. T. I. M. E., vol. 34, p. 236. 3 pages. I.

About Mineral Belts. By T. F. Van Wagenen. Min. & Sci. Press, vol. 93, p. 509. 2½ columns.

The Genesis of the Talc Deposits of St. Lawrence County, New York. By C. H. Smith. Sch. Mines Quart., vol. 17, p. 333. 9 pages.

Nature and Origin of Deposits of Phosphate of Lime. By R. A. F. Penrose. U. S. G. S., Bull. No. 46. 143 pages. 1888.

Genius of Ores in the Light of Modern Theory. By H. V. Winchell. E. & M. J., vol. 84, p. 1067. 9⅔ columns.

The Influence of Varying Degrees of Superfusion in Magmatic Differentiation. By A. C. Lane. J. C. M. I., vol. 9, p. 210. 8 pages. I.

Origin and Classification of Ore-Deposits. By C. R. Keyes. T. A. I. M. E., vol. 30, p. 323.

A Classification of Economical Geological Deposits. E. & M. J., vol. 59, p. 28. 2½ columns.

The Genetic Classification of Ore-Bodies. E. & M. J., vol. 75, p. 256. 8½ columns.

The Classification of Ore-Deposits. By J. F. Kemp. Sch. Mines Quart., vol. 14, p. 8, 15 pages; and Ore-Deposits of the United States and Canada, Chap. 6, 20 pages.

Sub-Classification of Xenogenous Ore-Deposits. By J. B. Hastings. E. & M. J., vol. 59, p. 268. 2¼ columns.

Some Modern Aspects of a Practical Classification of Ore-Deposits. By C. R. Keyes. E. & M. J., vol. 69, p. 771. 3 columns.

Ore Shoots. By W. H. Weed. E. & M. J., vol. 82, p. 196. 3 columns. I.

Ore-Deposits. By H. A. Wheeler. Coll. Engr., vol. 11, p. 217, 6 columns, I.; p. 245, 4 columns; p. 273, 3½ columns; vol. 12, p. 49, 2⅓ columns, I.; p. 73, 5 columns, I.; p. 96, 3½ columns, I.; p. 121, 3½ columns, I.; p. 193, 5 columns, I.

Genesis of the Ore-Deposits at Bingham, Utah. By J. M. Boutwell. T. A. I. M. E., vol. 36, p. 541. 40 pages. I.

Ore-Shoots, Ore Chimneys, Pay Shoots. By J. P. Wallace. Min. & Sci. Press, vol. 79, p. 718. ⅔ column.

The Genesis and Character of Ore Deposits. By W. H. Storms. Min. & Sci. Press, vol. 88, p. 194. 2¼ columns.

Genesis of Ore Deposits at the Royal Mine, Hudson, California. By W. Forstner. Min. & Sci. Press, vol. 88, p. 314. 3 columns. I.

A Theory of the Genesis of Ore Deposits. Min. & Sci. Press, vol. 79, p. 747. 2 columns.

Genesis of Ore Deposits. By M. W. Alderson. Min. & Sci. Press, vol. 83, p. 4, 2¾ columns; p. 14, 2½ columns, I.; p. 24, 2½ columns, I.; p. 142, 4¼ columns, I.

The Genesis of Ore Deposits. Min. & Sci. Press, vol. 70, p. 311. 1 column.

Ore Beds: Their Origin and Condition. By J. H. Morton. Min. & Sci. Press, vol. 28, p. 130. 1 column.

The Genesis of Ore Deposits. B. R. Keck. E. & M. J., vol. 35, p. 3, 3½ columns.

Character of Deposits: Dip, Strike, Faulting, etc. E. & M. J., vol. 22, p. 19, 2 columns; p. 35, 2 columns; p. 56, 2 columns; p. 73, 2 columns, I.; p. 93, 2 columns; p. 105, 2 columns; p: 121, 2 columns; p. 137, 2 columns.

The Genesis of Metalliferous Deposits and Eruptive Rocks. By P. F. Chalon. Min. Mag., vol. 12. p. 507. 7 columns.

Metamorphism of Rocks. E. & M. J., vol. 46, p. 461. 1 column.

The Relation Between Ore Deposits and Their Inclosing Walls. By H. W. Fairbanks. E. & M. J., vol. 55, p. 200, 2. columns; and p. 340, 1¼ columns.

Some Forms of Ore Deposits in Limestone. By Carl Heinrich. E. & M. J., vol. 46, p. 368. 2 columns. I.

Contiguity of Ore Deposits of Different Generic Relationships. By C. R. Keyes. E. & M. J., vol. 72, p. 597. 4 columns. I.

Recent Progress in the Study of Ore Deposits. By T. A. Rickard. E. & M. J., vol. 73, p. 106. 3 columns.

On the Genesis of Ore-Deposits. By W. H. von Streeruwitz. Sch. Mines Quart., vol. 12, p. 181. 6 pages.

Ore Deposits in Relation to Thermal Activity. By J. Park. E. & M. J., vol. 79, p. 700. 4 columns.

On the Formation of Certain Ore Deposits. By F. Klockmann. E. & M. J., vol. 77, p. 964. 4 columns.

Some Practical Suggestions Concerning the Genesis of Ore-Deposits. By Max Boemer. T. A. I. M. E., vol. 34, p. 449.

Problems in the Geology of Ore Deposits. By J. H. L. Vogt. T. A. I. M. E., vol. 31, p. 125.

The Character and Genesis of Certain Contact-Deposits. By W. Lindgren. T. A. I. M. E., vol. 31, p. 226.

Theory of Ore Deposits: Applied to Prospecting, Influence of Aqueo-Igneous Solutions and Fossils on Ore Formations. By E. B. Wilson. M. & M., June, 1904, pp. 527–529.

Clarence King on Veins, Deposits and Limestone Formation. Min. & Sci. Press, vol. 27, p. 74. 1⅔ columns.

Horses and Breccia. Min. & Sci. Press, vol. 80, p. 608. 1⅕ columns.

On the Improvement of Ore Bodies with Increasing Depth. By F. L. Nason. E. & M. J., vol. 52, p. 310. 2¼ columns.

The Persistence of Ore in Lodes in Depth. By W. P. Blake. E. & M. J., vol. 55, p. 3, 1½ columns; p. 51, 2½ columns; p. 75, 1¼ columns; p. 148, ½ column; p. 154, 1¼ columns; p. 580.

The Secondary Enrichment of Ore-Deposits. By S. F. Emmons. T. A. I. M. E., vol. 30, p. 177.

Ore Deposits: Secondary Enrichment. By S. F. Emmons and W. Weed. M. & M., July, 1901, p. 539; and E. & M. J., vol. 75, p. 111, 3½ columns.

The Character and Genesis of Certain Contact-Deposits. By W. Lindgren. T. A. I. M. E., vol. 31, pp. 226, 284, 936.

Problems in the Geology of Ore-Deposits. By J. H. L. Vogt. T. A. I. M. E., vol. 31, p. 125.

The Theory of Ore Deposits Applied to Prospecting: Illustrations of Manner of Ore Formation from Crystallization of Solutions. By E. B. Wilson. M. & M., Mar., 1904, p. 386. 3 columns.

Absorption in Ore-Deposition. By W. H. Weed. E. & M. J., Feb. 23, 1905, p. 364. 1 column.

The Genesis of Ore-Deposits. By F. Posepny. T. A. I. M. E., vol. 23, pp. 197, 587.

The Genesis of Certain Ore-Deposits. By S. F. Emmons. T. A. I. M. E., vol. 15, p. 125.

The Origin of Quartz Deposits. E. & M. J., vol. 69, p. 774. ⅔ column.

A Brief Review of the Literature of Ore-Deposits. By J. F. Kemp. Sch. Mines Quart., vol. 12, p. 218, 17 pages; vol. 11, p. 359, 12 pages; vol. 10, p. 54, 6 pages; p. 116, 6 pages; p. 326, 10 pages.

A Further Discussion on Ore-Deposits. E. & M. J., vol. 75, p. 476, 8 columns; p. 594, 4¾ columns.

Ore-Deposits in Relation to Thermal Activity. By J. Park. E. & M. J., Mar. 30, 1905, p. 606. 3¾ columns.

Ore-Deposits. By A. C. Campbell. E. & M. J., vol. 30, p. 39. 1 column.

Bonanzas and Pockets of Ore. By A. Lakes. M. & M., vol. 24, p. 52. 2½ columns. I.

Bonanzas and Pockets of Ore: Some of the Causes of their Deposition and Origin as Illustrated in Various Mines. By A. Lakes. M. & M., Sept., 1903, p. 52. 2½ columns. I.

A Peculiar Ore Deposit. By E. A. Colburn. Min. & Sci. Press, vol. 88, p. 196. 2 columns. I.

Schists and Slates as Ore Carriers. By A. Lakes. Min. & Sci. Press, vol. 88, p. 161. 2¾ columns. I.

Laccolites and Their Relation to Ore Deposits. Min. & Sci. Press, vol. 79, p. 745, 2½ columns, I.; vol. 80, p. 5, 3 columns, I.

Travertine Deposits at the Mammoth Hot Springs of the Yellowstone Park. By W. H. Weed. E. & M. J., vol. 51, p. 693. 3¼ columns. I.

Size of Grain in Igneous Rocks in Relation to the Distance from the Cooling Wall. By A. L. Queneau. Sch. Mines Quart., vol. 23, p. 181. 14 pages. I.

Limestones, Associated with Pyrites and Pyrrhotite of the Appalachian System. By F. L. Nason. E. & M. J., vol. 82, p. 170. 6½ columns.

Secondary Changes at Cherry Creek, Arizona. By J. A. Reed. Min. & Sci. Press, vol. 94, p. 31 (?823). 4 columns. I.

Some Principles Controlling the Deposition of Ores: The Association of Lead, Zinc, and Iron Compounds. By C. R. Van Hise. T. A. I. M. E., vol. 30, pp. 102–109, 141–150. 1901.

The Electrical Activity of Ore-Bodies. By C. Barus. T. A. I. M. E., vol. 13, p. 417.

A Magnetic Anomaly. E. & M. J., Mar. 10, 1900, p. 293. Note.

The Magnetization of Iron-Ore. By C. Jones. T. A. I. M. E., vol. 19, p. 289.

The Magnetization of Iron Ores. By W. B. Phillips. E. & M. J., vol. 58, p. 200. 1 column.

Electrolytic Decomposition of Underground Metals: Causes, Effects, and Remedies. By A. A. Kundson. The Electrical Age, vol. 32, p. 55. 9 columns. I.

The Theory of Dissociation as Applied to Galvanic Currents. By A. von Oettingen. P. C. & M. Soc. S. A., vol. 2, p. 556. 16 pages.

The Geological Distribution of Mining Districts in the United States. By R. W. Raymond. T. A. I. M. E., vol. 1, p. 33.

Geological Distribution of the Useful Metals in the United States. By S. F. Emmons. T. A. I. M. E., vol. 22, pp. 53, 732.

Distribution of Ore. Min. & Sci. Press, vol. 92, p. 99. 1 column +.

Popular Fallacies Regarding Precious Metal Ore Deposits. By A. Williams. U. S. G. S., 4th Ann. Rept., pp. 253–271. 1884.

The Evolution of a Mineral Vein. By A. Lakes. Min. & Sci. Press, vol. 92, p. 349. 1½ columns. I.

Secondary Enrichment Upward. By C. De Kalb. Min. & Sci. Press, vol. 93, p. 177. 1½ columns.

Contact Metamorphism in Its Relation to Ore Deposits. By James Park. Min. & Sci. Press, vol. 93, p. 544. 2¾ columns.

Thermal Activity in Its Relation to Veins. By James Park. Min. & Sci. Press, vol. 93, p. 633. 4⅜ columns.

On the Formation of the Garnet Zones at the Contacts of Eruptive Rocks and Limestones. By J. F. Kemp. Min. & Sci. Press, vol. 92, p. 220. 5 columns.

Genetic Relations of the Western Nevada Ores. By J. E. Spurr. T. A. I. M. E., vol. 36, p. 372. 31 pages.

The Magmatic Origin of Vein-Forming Waters in Southeastern Alaska. By A. C. Spencer. T. A. I. M. E., vol. 36, p. 364. 7½ pages.

Are the Quartz-Veins of Silver-Peak the Result of Magmatic Segregation? By J. B. Hastings. T. A. I. M. E., vol. 36, p. 647. 7½ pages. I.

Something More Apout the Geology and Ore Formation of Treasure Hill. Min. & Sci. Press, vol. 18, p. 379. 3 columns. I.

Stockworks in Limestones: The Eberhardt Mine, White Pine. Min. & Sci. Press, vol. 18, pp. 401, 412. 3 columns. I.

Secondary Enrichment. Min. & Sci. Press, vol. 89, p. 34. 1½ columns.

Formation of Ore Bodies on Intersections. By M. B. Kerr. Min. & Sci. Press, vol. 90, p. 241, 1 column; p. 253, 3 columns, I.

Secondary Enrichment of Mineral Veins in Regions of Small Erosion. By C. L. Herrick. Min. & Sci. Press, vol. 87, p. 97. 2 columns.

Ores Which Are Deposited by Underground Waters. By J. M. Maclaren. Min. & Sci. Press, vol. 85, p. 281. 2½ columns.

Vein Definition. Min. & Sci. Press, vol. 83, p. 65. 3½ columns. I.

A Complex Vein Formation in Porphyry. Min. & Sci. Press, vol. 84, p. 20. 2 columns. I.

The Influence of Water in Mineral Veins. Min. & Sci. Press, vol. 39, p. 297. 1⅓ columns.

On Mineral Vein Formation Now in Progress at Steamboat Springs, Colorado, Compared with the Same at Sulphur Bank. By J. Le Conte. E. & M. J., vol. 35, p. 361. 1¾ columns.

Metalliferous Vein Formation at Sulphur Bank, California. E. & M. J., vol. 34, p. 109. 2 columns.

Igneous Rocks in Ore Deposition. By A. Lakes. E. & M. J., vol. 80, p. 196. 3 columns.

Magmatic Segregation of Ores. E. & M. J., vol. 77, p. 311. 1¼ columns.

Rich Portions of Veins. E. & M. J., vol. 77, p. 636. 2½ columns.

Origin of Metalliferous Deposits. By T. S. Hunt. E. & M. J., vol. 13, pp. 394, 401.

Water in Veins: A Theory. By T. A. Rickard. E. & M. J., vol. 75, p. 402, 5½ columns; p. 589, 1 column; p. 624, 1⅔ columns; p. 661, ½ column; p. 776, 2½ columns, I.; p. 848, 2½ columns; vol. 76, p. 117. Table.

A New Argument Against Ore Deposition by Sublimation. E. & M. J., vol. 52, p. 524. 1¼ columns.

The Lateral Secretion Theory of Ore-Deposits. By M. E. Wadsworth. E. & M. J., vol. 37, p. 364. 2¼ columns.

Theories of the Formation of Mineral Veins. By F. Sandberger. E. & M. J., vol. 37, p. 196, 4¼ columns; p. 218, 2⅔ columns; p. 232, 2⅔ columns.

Acid Magmas, Their Exhalations and Residues. E. & M. J., vol. 77, p. 351. ¾ column.

The Deposition of Ores from Igneous Magmas. E. & M. J., vol. 77, p. 756. 1⅔ columns.

Ores from Igneous Magmas. E. & M. J., vol. 77, p. 675. 1 column.

The Deposition of Ores from Igneous Magmas. E. & M. J., vol. 77, p. 472. 5 columns. I.

Theories of Ore Deposition Historically Considered. By S. F. Emmons. E. & M. J., vol. 77, p. 117, 5½ columns; p. 157, 7 columns; p. 199, 4½ columns; p. 237, 5 columns.

The Precipitation of Metallic Sulphides by Natural Gas. By J. F. Kemp. E. & M. J., vol. 50, p. 689. 1⅓ columns.

The Slayback Lode: A Peculiar Kind of Fissure Vein. By C. H. Henrich. E. & M. J., vol. 48, p. 27. 1¾ columns. I.

Alloyage and Igneous Cementation. By A. D. Elbers. E. & M. J., vol. 48, p. 429. 2 columns.

Replacement of Quartz by Pyrite. E. & M. J., vol. 79, p. 1045. ½ column.

Secondary Enrichment. E. & M. J., vol 76, p. 153, 1½ columns; p. 199; p. 958, 3½ columns; vol. 80, p. 645, 1½ columns; p. 788, 1 column; p. 597, 2½ columns.

Ore Deposition. E. & M. J., vol. 76, p. 382. 3¾ columns.

On the Differentiation of Igneous Magmas and the Formation of Ores. By J. F. Kemp. E. & M. J., vol. 76, p. 804. 3½ columns.

Cross-Vein Ore-Shoots and Fractures. By W. H. Weed. E. & M. J., vol. 76, p. 193. 1⅔ columns. I.

Origin of Gold in Certain Victorian Quartz Reefs. E. & M. J., vol. 36, p. 367. 1 column.

Hydro-Thermal Activity in the Veins at Wedekind, Nevada. By H. C. Morris. E. & M. J., vol. 76, p. 275. 6 columns. I.

Matte Smelting and Magmatic Segregation of Ores. E. & M. J., vol. 76, p. 342. 2 columns.

An Example of the Localization of Rich Ores. By T. A. Rickard. E. & M. J., vol. 74, p. 847. 6 columns. I.

The Filling of Mineral Veins. By J. F. Kemp. Sch. Mines Quart., vol. 13, p. 20. 10 pages.

On the Thermal Effect of the Action of Aqueous Vapor on Feldspathic Rocks (Kaolinization). By C. Barus. Sch. Mines Quart., vol. 6, p. 1. 24 pages. I.

The Deposition of Ores. By J. S. Newberry. Sch. Mines Quart., vol. 5, p. 329. 16 pages.

A Mineralized Dyke. By R. G. Brown. Sch. Mines Quart., vol. 19, p. 90. 2 pages. I.

Segregation in Ores and Mattes. By D. H. Browne. Sch. Mines Quart., vol. 16, p. 297. 14 pages. I.

Contact Metamorphic Deposits. By J. Park. E. & M. J., vol. 79, p. 896. 3 columns.

Absorption of Metals by Silica and Clays in Relation to Ore Deposition. By J. Park. E. & M. J., vol. 79, p. 1242. 1 column.

The Superficial Alteration of Ore Deposits. By A. F. Penrose, Jr. E. & M. J., vol. 59, p. 341. 2 columns.

Metasomatic Replacement. By J. Park. E. & M. J., vol. 79, p. 799. 2¾ columns.

Some Contact Phenomena of the Palisade Diabase. By J. D. Irving. Sch. Mines Quart., vol. 20, p. 213. 11 pages. I.

Mineralization near Contact. T. A. I. M. E., vol. 29, pp. 28 and 29.

Influence of Country-Rock on Mineral Veins. By Walter Harvey Weed. T. A. I. M. E., vol. 31, p. 634.

The Caliche of Southern Arizona: An Example of Deposition by the Vadose Circulation. By W. P. Blake. T. A. I. M. E., vol. 31, p. 220.

The Rôle of Igneous Rocks in the Formation of Veins. By J. F. Kemp. T. A. I. M. E., vol. 31, pp. 169, 284, 936.

Secondary Enrichment of Ore Deposits: Its Causes and Effects; The Conclusions of Various Authorities. By A. Lakes. M. & M., Mar., 1903, p. 347. 1½ columns.

Osmosis as a Factor in Ore-Formation. By H. P. Gillette. T. A. I. M. E., vol. 34, p. 710.

A Consideration of Igneous Rocks and their Segregation or Differentiation as Related to the Occurrence of Ores. By J. E. Spurr. T. A. I. M. E., vol. 33, pp. 288, 1063.

The Mineral Crest, or the Hydrostatic Level Attained by the Ore-Depositing Solutions in Certain Mining Districts of the Great Salt Lake Basin. By W. P. Jenney. T. A. I. M. E., vol. 33, pp. 46, 1060.

Ore-Deposition and Vein-Enrichment by Ascending Hot Waters. By W. H. Weed. T. A. I. M. E., vol. 33, pp. 715, 1070.

Igneous Rocks and Circulating Waters as Factors in Ore-Deposition. By James F. Kemp. T. A. I. M. E., vol. 33, p. 699.

The Chemistry of Ore-Deposition. By W. P. Jenney. T. A. I. M. E., vol. 33, pp. 445, 1065.

Influence of Country Rock on Mineral Veins: The Effect of Texture and Composition of Rocks on Vein Filling. By W. H. Weed. M. & M., July, 1902, p. 543. 4½ columns.

Change of Ore Bodies with Change of Country Rock. By A. Lakes. M. & M., Apr., 1901, p. 417. 1 column.

Metasomatic Processes in Fissure-Veins. By W. Lindgren. T. A. I. M. E., vol. 30, p. 578.

Some Principles Controlling the Deposition of Ores. By C. R. van Hise. T. A. I. M. E., vol. 31, pp. 27, 284.

Influence of Country Rock on Mineral Veins. By W. H. Weed. T. A. I. M. E., vol. 31, p. 634.

Outline of the Geology of California with Reference to Its Mineral Deposits. By H. W. Fairbanks. Min. & Sci. Press, vol. 74, p. 132, 1½ columns; p. 152, 2¾ columns; p. 173, 1½ columns; p. 193, 2 columns; p. 213, 1½ columns; and p. 232, 2½ columns.

The Geology and Vein-Phenomena of Arizona. By T. B. Comstock. T. A. I. M. E., vol. 30, p. 1038.

The La Plata Mountains: Observations on their Formations and the Influence of the Different Igneous Rocks upon Mineralization. By A. Lakes. M. & M., Dec., 1902, p. 222. 3 columns.

Metalliferous Veins and Mineral Life. By A. Blachly. Am. Jour. Min., vol. 3, p. 143, 1½ columns; p. 163, 1⅔ columns; p. 183, 1½ columns; p. 203, 1 column+; p. 223, 1 column+; p. 262, 1½ columns.

Sex in Mineral Veins. Min. & Sci. Press, vol. 44, p. 342. ¾ column.

Mineral in Basalt. By H. Blauvelt. E. & M. J., vol. 61, p. 111. ⅞ column. I.

Formation of Ore at Intersection of Fractures. T. A. I. M. E., vol. 31, pp. 213, 216 and 217.

Note on Certain Water-Worn Vein-Specimens. By F. C. Hofman. T. A. I. M. E., vol. 25, p. 514.

Origin of Nitrates in Cavern Earths. By W. H. Hess. E. & M. J., vol. 69, p. 653. ¾ column.

Algoma Mining Freaks. By C. Brent. J. C. M. I., vol. 4, p. 174. 6 pages.

Rare Earths in Pegmatite Veins. By J. Obalski. J. C. M. I., vol. 9, p. 72. 1½ pages.

Genesis and Structure of the Comstock Lode. Min. & Sci. Press, vol. 91, p. 244. 2⅞ columns.

On a Theory of Gold Genesis. By H. Wurtz. Am. Jour. Min., vol. 4, p. 274, 1¾ columns; pp. 322, 339, 354, 370.

Genesis of Ores of the Cobalt District. E. & M. J., vol. 83, p. 630. 2 columns.

The Genesis of the Gold Ores in the Central Slate Belt of the Carolinas. By H. B. C. Nitze. E. & M. J., vol. 63, p. 629. 2¼ columns.

How Gold is Deposited. Coll. Engr. & Met. Miner, vol. 17, p. 332. ⅓ column.

The Genesis of Certain Auriferous Lodes. By J. R. Don. T. A. I. M. E., vol. 27, pp. 564, 993.

On a Theory of Gold Genesis. By H. Wurtz. E. & M. J., vol. 5, p. 18, 2 columns; p. 50, 3 columns; p. 114, 1½ columns; p. 130, 2 columns; p. 242, 2 columns.

The Origin of the Gold of Quartz Veins. E. & M. J., vol. 58, p. 534. ½ column.

Observations on Gold Deposits. By C. W. Purington. E. & M. J., vol. 75, p. 893, 5½ columns, I.; p. 929, 4½ columns; p. 854, 3½ columns.

The Origin of Gold. Min. & Sci. Press, vol. 67, p. 198. ¾ column.

The Origin and Formation of the Ores of the Porcupine Mine, Port Arthur, Ontario. By C. Kirkland. E. & M. J., vol. 47, p. 347. 1¼ columns.

Origin of Klondike Gold. Min. & Sci. Press, vol. 92, p. 89. 1 column.

Notes on a Novel Association of Gold. By H. F. Collins. T. I. M. & M., vol. 8, p. 303.

Association of Gold with Other Metals in the West. By R. Pearce. T. A. I. M. E., vol. 18, p. 447.

A Novel Association of Gold. By H. F. Collins. E. & M. J., vol. 69, p. 464. ½ column.

Gold Tellurides. By W. J. Sharwood. Min. & Sci. Press, vol. 94, p. 731. 2 columns+. I.

Gold in Diorite. E. & M. J., vol. 76, p. 44, 1 column; p. 500, 2⅔ columns, I.

Natural Occurrence of Precious Metals. Min. & Sci. Press, vol. 23, p. 56. ½ column.

Occurrence of Silver. Am. Jour. Min., vol. 2, p. 213. ⅓ column.

On the Method and Occurrence of Gold in North Carolina. Am. Jour. Min., vol. 2, p. 250. 2 columns.

Gold: Its Sources and Origin. Am. Jour. Min., vol. 2, p. 298. 2½ columns.

Gold Mines in Schistose Rock. Min. & Sci. Press, vol. 91, p. 12. ⅔ column. I.

The Nature and Distribution of Gold in Metallic Sulphides. By A. Ott. Am. Jour. Min., vol. 7, p. 26. 2 columns.

Occurrence of Gold. Min. & Sci. Press, vol. 54, p. 330. 1½ columns.

Certain Dissimilar Occurrences of Gold-Bearing Quartz. Min. & Sci. Press, vol. 67, p. 180. 1½ columns.

The Origin of the Gold of Quartz Veins. Min. & Sci. Press, vol. 69, p. 120. 3¼ columns.

Further Notes on the Gold Ores of California. Min. & Sci. Press, vol. 70, p. 344. 2⅞ columns.

Gold in Fossiliferous Limestone in the Judith Mountains, Montana. By W. M. Courtis. E. & M. J., vol. 37, p. 478. 1 column.

Gold, Free in Other than Oxidized Zones. By A. Lakes. M. & M., Feb., 1905, p. 331. ¾ column.

Gold in Granite and Plutonic Rocks. By W. P. Blake. T. A. I. M. E., vol. 26, p. 290.

Note on a Curious Occurrence of Gold. By B. H. Bennett. T. I. M. & M., vol. 10, p. 41. 1 page.

Silver in Sedimentary Rocks. Min. & Sci. Press, vol. 42, p. 114, 4 columns; p. 118, 1¾ columns; p. 242, 1¾ columns.

The Occurrence of Gold. By W. H. Storms. Min. & Sci. Press, vol. 80, p. 148. 1⅔ columns.

Interesting Occurrence of Gold. By A. Hausmann. E. & M. J., vol. 51, p. 516, 1 column; p. 554, ¼ column; p. 627, ½ column; p. 690, ½ column; p. 739, ½ column.

The Phenomena of the Diamondiferous Deposits in South Africa. By E. F. Heneage. T. I. M. & M., vol. 12, p. 115. 25½ pages.

Sulphuret and Mineral Silver Veins. E. & M. J., vol. 13, p. 260. 1⅔ columns.

The Occurrence of Gold and Quicksilver Together. Min. & Sci. Press, vol. 34, p. 280. ⅓ column.

Silver Deposits in Dolomite. Min. & Sci. Press, vol. 17, p. 289, 2 columns, I.; p. 305, 2½ columns, I.; p. 356, 1¾ columns.

Gold in Gypsum. E. & M. J., vol. 77, p. 956. 1 column.

Gold in Coal. E. & M. J., vol. 78, p. 711. Note.

Gold in Mine Timbers. Min. & Sci. Press, vol. 75, p. 551. 1½ columns. Tables.

Occurrence of Gold in Wood Fiber. Min. & Sci. Press, vol. 73, p. 108. Note.

Gold in Coal. Min. & Sci. Press, vol. 90, p. 184. ⅔ column.

On the Occurrence of Lustrous Coal with Native Silver in a Vein of Porphyry in Ouray County, Colorado. By G. A. Koenig. T. A. I. M. E., vol. 9, p. 650.

On the Occurrence of Lustrous Coal with Native Silver. E. & M. J., vol. 33, p. 90. 1 column.

Gold in Coal. P. C. M. & M. Soc. S. A., vol. 5, p. 109. 1 column.

The Oxidation of Pyrite. By A. N. Winchell. M. & M., vol. 28, p. 61. 1⅔ columns. I.

Some Associations of Gold with Pyrite and Tellurides. By W. J. Sharwood. Min. & Sci. Press, vol. 94, p. 117. 5¾ columns. I.

The Relation between Gold and Pyrite. By H. L. Smyth. Min. & Sci. Press, vol. 93, p. 58. 2 columns. I.

Gold and Pyrite. Min. & Sci. Press, vol. 93, p. 226. ¾ column.

The Condition of Gold in Pyrite. By A. Williams. E. & M. J., vol. 53, p. 451. 1 column.

Presence of Gold in Iron Pyrites. Min. & Sci. Press, vol. 85, p. 48. ¼ column.

Gold in the Ocean. Min. & Sci. Press, vol. 74, p. 117. ⅔ column.

Gold in Sea Water. E. & M. J., vol. 79, p. 909, 1 column; p. 957, 2 columns.

Fineness of Asiatic Gold. E. & M. J., vol. 79, p. 1184. ½ column.

The Minerals which Accompany Gold, and Their Bearing upon the Richness of Ore-Deposits. By T. A. Rickard. T. I. M. & M., vol. 6, p. 194.

The Minerals Which Accompany Gold; and Their Bearing upon the Richness of Ore-Deposits. By T. A. Rickard. E. & M. J., vol. 63, p. 495. 4 columns. I.

Note on an Exhibition of Banded Structure in a Gold Vein. By C. M. Rolker. T. A. I. M. E., vol. 14, p. 265. E. & M. J., vol. 40, p. 367. ½ column. I.

Note on Certain Magnetic Phenomena in Gold-Bearing States. By C. A. Mezger. T. A. I. M. E., vol. 24, p. 40.

Notes on Some Special Features in Lode Formation and Deposition of Gold, as Presented in the Waverley Gold District, Halifax County, Nova Scotia. By B. C. Wilson. J. M. Soc. N. S., vol. 2, pt.1, p. 32. 14 pages.

Some Principles Controlling the Deposition of Ores. By C. R. van Hise. J. W. Soc. E., vol. 5, p. 433. 39 pages. I.

Gold Deposits. Am. Jour. Min., vol. 2, p. 122. ½ column.

Facts and Science of Silver Ore-Deposits. Min. & Sci. Press, vol.18, p. 130. 2½ columns.

Drumlummon Group of Veins and Their Mode of Formation. By J. E. Clayton. E. & M. J., vol. 46, p. 85, 2½ columns; p. 106, 3 columns.

The Origin of the Gold Deposits near Ouray, Colorado. By F. M. Endlich. E. & M. J., vol. 48, p. 335. 1½ columns.

Native Gold Original in Metamorphic Gneisses. By J. E. Spurr. E. & M. J., vol. 77, p. 198. 1½ columns.

Original Native Gold in Igneous Rocks. By W. H. Weed. E. & M. J., vol. 77, p. 440, 3½ columns; p. 522, 2⅓ columns.

Gold Deposition by Drainage. By T. Bradford. E. & M. J., vol. 78, p. 554. 3½ columns. I.

Original Native Gold in Igneous Rocks. E. & M. J., vol. 77, p. 511. 1 column.

Native Gold in Igneous Rocks. E. & M. J., vol. 77, p. 596. ¾ column.

The Geological Battle of the Comstock. By J. A. Church. E. & M. J., vol. 41, p. 52. 2 columns.

On the Structure and Genesis of the Bassick Ore Deposit. Min. & Sci. Press, vol. 47, p. 226, 4 columns. I.; p. 230, 4 columns; p. 233, 2 columns, I.

The Origin of Vein-Filled Openings in Southeastern Alaska. By A. C. Spencer. T. A. I. M. E., vol. 36, p. 581. 6 pages. I.

Aurite and a General Theory of Gold Ore Genesis. By I. Voyle. Min. & Sci. Press, vol. 86, p. 382. 1½ columns.

The Genesis of the Tarkwa Banket. By E. R. Schoch. E. & M. J., vol. 79, p. 1235. 5⅓ columns.

The Banket in Rhodesia. E. & M. J., vol. 79, p. 1237. 1½ columns.

Gold in Banket. E. & M. J., vol. 79, p. 1241. 2 columns.

The Banket Deposits of the Witwatersrand. E. & M. J., vol. 49, p. 200. 1½ columns.

The Enrichment of Gold and Silver Veins. By W. H. Weed. T. A. I. M. E., vol. 30, p. 424.

Gold Deposits in Shales. By A. Lakes. M. & M., Nov., 1902, p. 150. ½ column.

Observations on Gold Deposits. By C. W. Purington. E. & M. J., vol. 75, p. 854, 3½ columns; p. 929, 4½ columns; p. 893, 5½ columns.

The Mineral Formation of the Golden Leaf Mines. By R. W. Barrell. E. & M. J., vol. 64, p. 64. 1½ columns.

The Geology of the Kolar Gold-Field. By A. M. Smith. T. I. M. & M., vol. 13, p. 152. 28½ pages. I.

Pockets in the Upper Portions of Gold Veins. By G. W. Kimble. Min. & Sci. Press, vol. 94, p. 343, 3¼ columns. I.

The So-called Lode Formations of Hannan's and Telluride Deposits. By H. P. Woodward. T. I. M. & M., vol. 6, p. 14.

A Remarkable Silver "Pipe." E. & M. J., vol. 76, p. 805. 1 column.

Filling and Replacement in Gold-Bearing Fissure Veins. By W. Lindgren. E. & M. J., vol. 63, p. 573. 1¼ columns.

The Formation of Bonanzas in the Upper Portions of Gold Veins. By T. A. Rickard. T. A. I. M. E., vol. 31, p. 198.

The Gold-Bearing Conglomerates of Bokhara. E. & M. J., vol. 69, p. 466. ¾ column.

Lodes vs. Placers. By F. T. Freeland. E. & M. J., vol. 67, p. 378. 1 column.

Auriferous Zones in the Hanging Wall of the Mother Lode of California. Min. & Sci. Press, vol. 78, p. 507. ½ column.

Note on a Curious Copper Deposit. By J. A. W. Murdoch. T. I. M. & M., vol. 9, p. 300. 6½ pages. I.

An Hypothesis of the Structure of the Copper Belt of South Mountain. By P. Frazer. T. A. I. M. E., vol. 12, pp. 82–85.

Genesis of the Copper Deposits of Yerington, Nevada. By E. P. Jennings. E. & M. J., vol. 83, p. 1143. 2½ columns.

Genetic Relations of Nickel-Copper Ores. By C. W. Dickson. J. C. M. I., vol. 9, p. 236. 25 pages. I.

The Economic Geology of Copper. By H. A. Wheeler. Coll. Engr., vol. 12, p. 217, 7 columns, I.; p. 240, 3½ columns, I.

Some New Points in the Geology of Copper Ores. By J. F. Kemp. Min. & Sci. Press, vol. 94, p. 402. 3¼ columns.

The Secondary Enrichment of Copper-Iron Sulphides. By T. T. Read. T. A. I. M. E., vol. 37, p. 297. 7½ pages.

Economic Geology of Iron. Coll. Engr., vol. 13, p. 1, 4½ columns, I.; p. 25, 5 columns, I.

The Economic Geology of Manganese. Coll. Engr., vol. 13, p. 121. 4 columns. I.

Geology of the Ely Trough Iron-Ore Deposits. By C. E. Abbott. E. & M. J., vol. 601. 11 columns. I.

Geological Relations and Genesis of the Specular Iron Ores of Santiago, Cuba. By J. P. Kimball. E. & M. J., vol. 38, p. 409. 5½ columns.

Association of Apatite with Beds of Magnetite. By W. P. Blake. T. A. I. M. E., vol. 21, p. 159.

Modes of Occurrence of Pyrite in Bituminous Coal. By A. P. Brown. T. A. I. M. E., vol. 16, p. 539.

The Occurrence, Origin and Chemical Composition of Chromite. By J. H. Pratt. E. & M. J., vol. 66, p. 696. ⅔ column.

Mode of the Deposition of the Iron-Ores of the Menominee Range, Michigan. By J. Fulton. T. A. I. M. E., vol. 16, p. 525.

The Replacement of Quartz by Pyrite. By C. S. Palmer. E. & M. J., Jan. 26, 1905, p. 169. 2⅓ columns.

The Genesis of Our Iron Ores. By J. S. Newberry. Sch. Mines Quart., vol. 2, p. 1. 18 pages.

Origin of the Oriskany Limonites. By J. E. Johnson, Jr. E. & M. J., vol. 76, p. 231. 4⅓ columns.

The Genesis of the Crystalline Iron Ores. By A. A. Julien. E. & M. J., vol. 37, p. 81. 4 columns.

The Origin of Iron. Min. & Sci. Press, vol. 62, p. 6. 1¾ columns.

Genesis of the Magnetite Deposits in Sussex County, New Jersey. By A. C. Spencer. Min. Mag., Dec., 1904, p. 377. 10 columns. I.

The Genesis of Limonite Ores in the Appalachians. By F. L. Garrison. E. & M. J., vol. 78, p. 470. 5 columns.

Magnetic Wells and Springs. M. & M., vol. 28, p. 558. 1 column.

Notes on the Source of the Southeast Missouri Lead. By H. A. Wheeler. E. & M. J., vol. 77, p. 517. 3⅔ columns.

Diverse Origins and Diverse Times of Formation of the Lead- and Zinc-Deposits of the Mississippi Valley. By C. R. Keyes. T. A. I. M. E., vol. 31, p. 603.

Differentiation by Leaching in the Wisconsin Zinc Region. By H. A. Wheeler. E. & M. J., vol. 84, p. 310. 3 columns.

The Origin of the Joplin Ore Deposits. By H. F. Bain. E. & M. J., vol. 71, p. 557. 2 columns. I.

An Unique Lead Deposit. By R. D. O. Johnson. E. & M. J., vol. 81, p. 794. 2½ columns. I.

Note on the Occurrence of Blende in Lignite. By H. A. Wheeler. E. & M. J., vol. 59, p. 248. ⅔ column.

Some Principles Controlling Deposition of Ores: The Association of Lead, Zinc, and Iron Compounds. By C. R. van Hise. T. A. I. M. E., vol. 30, pp. 102–109, 141–150.

Geology of the Wisconsin Lead and Zinc District. E. & M. J., vol. 81, p. 1183. 9½ columns. I.

The Paragenesis of the Cobalt-Nickel Arsenides of Silver Deposits of Timiskaming. By W. Campbell and C. W. Knight. E. & M. J., vol. 81, p. 1089. 8⅔ columns. I.

Relation of Tin to Trap Dikes. E. & M. J., vol. 45, p. 435. ⅓ column.

Genesis of Nickel Ores. By R. L. Packard. U. S. G. S., Mineral Resources for 1892, pp. 170–177. 1893.

A Contribution to the Geology of the Dakota Tin Mines. By T. Ulke. E. & M. J., vol. 53, p. 547. ⅔ column.

The Carboniferous System. P.C.M., vol. 46. 19 pages. I.

The Rocks of the Coal-Measures, their Character and Arrangement. P. C. M., vol. 1, p. 3. 20 pages. I.

The Carboniferous Age and the Origin of Coal. By W. H. Page. E. & M. J., vol. 56, p. 347. 3 columns.

Formation of Coal. Min. & Sci. Press, vol. 40, p. 18. ½ column.

Origin of Coal. Min. & Sci. Press, vol. 92, p. 257. ¾ column.

Formation of Coal. T. I. M. E., vol. 28, pp. 741, 742, 762.

The Origin of Anthracite. Engineering, London, vol. 78, p. 110. 1½ columns.

The Genesis of Coal. Engineering, London, vol. 74, p. 416, 1¼ columns; vol. 72, p. 243, 2 columns.

The Formation of Coal. Min. & Sci. Press, vol. 80, p. 96. 1 column+.

Origin of Coal. Min. & Sci. Press, vol. 49, p. 322. 1½ columns.

Coal the Result of Flotation and Deposition in Lakes. Min. & Sci. Press, vol. 75, p. 145. 1 column.

Lecture on Coal: What it is; Where it is; How it came there, etc. E. & M. J., vol. 11, p. 290. 3½ columns.

The Comparative Ages of Anthracite and Bituminous Coals. E. & M. J., vol. 13, p. 89. ¾ column.

Origin of Coal. By A. Roy. E. & M. J., vol. 20, p. 31, 1½ columns; p. 54, 1½ columns; and p. 335, ½ column.

The Formation of Coal. By J. F. Elson. Coll. Engr., vol. 10, p. 148. 4 columns.

Notes on the Formation of Coal Seams. By W. S. Gresley. Coll. Engr., vol. 8, p. 123, 2 columns; and p. 208, 1⅓ columns.

When Coal was Made. By T. C. Crofton. Coll. Engr., vol. 11, p. 75. 2 columns.

The Formation of Coal, by L. Lemiere; and Coal-Forming Bacteriaceæ, by B. Renault. T. I. M. E., vol. 24, pp. 637, 638.

The Origin of Coal. E. & M. J., vol. 57, p. 3, ⅔ column; p. 27, ½ column; and p. 148, 1 column.

The Origin of Coal: Timber Theory, Bog Theory, and Origin of Cannel Coal. Coll. Engr. & Met. Miner, vol. 15, p. 41. 2¾ columns. I.

On the Physical Conditions under Which Coal was Formed. By J. S. Newberry. Sch. Mines Quart., vol. 4, p. 169. 6 pages.

Coal. By a Miner. Am. Jour. Min., vol. 1, pp. 233, 249, 265, 281, 313, 329, 345, 361, 393.

Note on the Formation of Coal from Mine-Timber. By E. S. Moffat. T. A. I. M. E., vol. 15, p. 819.

The Metamorphism of Coal. By H. Bolton. Coll. Engr. & Met. Miner, vol. 16, p. 254. 6 columns.

Columnar Structure of Coal. Sch. Mines Quart., vol. 24, p. 491. I.

Note on Anthracite "Coal-Apples" from Pennsylvania. By W. S. Gresley. T. A. I. M. E., vol. 21, p. 824.

The Formation of Coal Seams. By W. S. Gresley. E. & M. J., vol. 45, p. 142, 2 columns, I.; p. 194, 1¼ columns, I.; p. 338, ½ column; p. 473, ½ column, I.

Theory of the Formation of Coal-fields. By J. Ford. E. & M. J., vol. 82, p. 255. 4½ columns.

Notes on the Life History of Coal Seams. By J. C. Gwillim. J. C. M. I., vol. 8, p. 235. 10 pages.

The Formation of Coal-Balls in the Coal-Measures. By D. M. S. Watson. T. I. M. E., vol. 34, p. 177. 2½ pages.

Abstract of Remarks on the Difficulties in the Identification of Coal-Beds. By R. P. Rothwell. T. A. I. M. E., vol. 1, p. 62.

On Evidence of Streams During the Deposition of the Coal. By J. F. Blandy. T. A. I. M. E., vol. 4, p. 113.

Caves in Anthracite Coal Mines. By G. M. Williams. E. & M. J., vol. 51, p. 654. 1 column.

Ancient Washes in the Coal-Measures. T. F. I. M. E., vol. 1, p. 300. 4 pages. I.

Coal Out-Crops. By C. Catlett. T. A. I. M. E., vol. 30, p. 559.

Origin, Distribution, and Commercial Value of Peat Deposits. By N. S. Shaler. U. S. G. S., 16th Ann. Rept., pt. 4, pp. 305–314. 1895.

Geology of the McAlester-Lehigh Coal Field, Indian Territory. By J. A. Taff. U. S. G. S., 19th Ann. Rept., pt. 3, pp. 423–600. 1898.

The Southwestern Coal Field [Indian Territory, Arkansas, Texas]. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 367–414. 1902.

Geology of the Eastern Choctaw Coal Field, Indian Territory. By J. A. Taff and G. I. Adams. U. S. G. S., 21st Ann. Rept., pt. 2, pp. 257–311. 1900.

Classification for Low-Grade Coals. By M. R. Campbell. M. & M., vol. 28, p. 535. 4 columns. I.

Classification of Coal. P. C. M., vol. 1, p. 86. 9½ pages. I.

The Classification of Coal. By M. R. Campbell. T. A. I. M. E., vol. 36, p. 324, 17 pages; and p. 825, 8 pages.

The Classification of Coals. By S. W. Parr. M. & M., vol. 27, p. 233. 4½ columns.

Classification of Bituminous Coal. By B. Halbestadt. Coll. Engr. & Met. Miner, vol. 16, p. 257. 3 columns.

Composition and Classification of Coal. Coll. Engr., vol. 10, p. 113. 3¾ columns.

Classification of Coals. By P. Frazer. T. A. I. M. E., vol. 6, p. 430.

The Classification and Composition of Pennsylvania Anthracites. By C. A. Ashburner. T. A. I. M. E., vol. 14, p. 706.

Some Characteristics of Coal as Affecting Performance with Steam Boilers. By W. L. Abbott. J. W. Soc. E., vol. 11, p. 529. 48 pages. I.

Coal: Its Varieties and Application to Manufactures and the Arts. By R. H. Wynne. T. F. I. M. E., vol. 3, p. 234. 7 pages.

Principles Controlling the Geologic Deposition of the Hydrocarbons. By G. I. Adams. T. A. I. M. E., vol. 33, pp. 340, 1053.

Test for Natural and Artificial Asphalts. E. & M. J., vol. 81, p. 958. Note.

Review of the Chemical Literature of the Mineral Waxes. By H. Wurtz. E. & M. J., vol. 51, p. 326, 3 columns; p. 353, $3\frac{2}{3}$ columns; and p. 376, 4 columns.

Mineral Waxes. E. & M. J., vol. 50, p. 8. $2\frac{1}{5}$ columns.

Tabular Classification of Hydrocarbons. T. A. I. M. E., vol. 18, p. 582.

A Theory of Asphalto-Genesis. By H. Wurtz. E. & M. J., vol. 48, p. 73. $3\frac{1}{2}$ columns.

The Mineral Hydrocarbons. Min. & Sci. Press, vol. 68, p. 341, $2\frac{3}{4}$ columns; p. 357, 3 columns; p. 374, $2\frac{1}{2}$ columns; p. 389, 2 columns; p. 406, 2 columns; vol. 69, p. 5, 1 column; p. 23, $1\frac{1}{3}$ columns; p. 40, 2 columns; p. 56, $1\frac{7}{8}$ columns; p. 102, $1\frac{1}{2}$ columns; p. 134, 2 columns; p. 151, $1\frac{7}{8}$ columns; p. 166, 1 column; p. 359, $1\frac{1}{2}$ columns; p. 375, $1\frac{2}{3}$ columns; p. 391, $1\frac{1}{2}$ columns; vol. 70, p. 38, $2\frac{1}{4}$ columns; p. 56, 2 columns; p. 71, 3 columns; p. 88, $2\frac{3}{4}$ columns; p. 109, 1 column; p. 136, $2\frac{1}{2}$ columns; p. 150, $1\frac{1}{3}$ columns; p. 189, $1\frac{1}{3}$ columns; p. 263, $1\frac{1}{4}$ columns; p. 284, $1\frac{1}{4}$ columns; p. 320, 2 columns; p. 393, 2 columns; vol. 71, p. 14, $1\frac{1}{4}$ columns.

Rich Asphaltum Deposits. Min. & Sci. Press, vol. 63, p. 163. $\frac{1}{2}$ column.

Bituminous Rock. Min. & Sci. Press, vol. 63, p. 353, $\frac{3}{4}$ column; and p. 362, $\frac{2}{3}$ column.

Phenomena Attending the Accumulations of Bitumen. By A. S. Cooper. Min. & Sci. Press, vol. 79, p. 632, 4 columns, I.; p. 665, $2\frac{1}{2}$ columns, I.; p. 691, 1 column, I.; and p. 721, $1\frac{1}{3}$ columns.

Ozokerite. By J. Ohly. Min. & Sci. Press, vol. 81, p. 8. $2\frac{1}{3}$ columns.

Asphaltum and Bituminous Rock. By J. Struthers. Rept. Census Office, Mines & Quarries, 1902, p. 977. 36 columns.

Uintahite a Variety of Grahamite. By H. Wurtz. E. & M. J., vol. 48, p. 114. 2 columns.

On Galician Ozokerite and Ceresine. By J. Grabowsky. E. & M. J., vol. 27, p. 72. $1\frac{1}{4}$ columns.

The Utah Ceroid Minerals. E. & M. J., vol. 27, p. 234. 2 columns.

Utah Mineral Wax. E. & M. J., vol. 27, p. 349. $1\frac{1}{3}$ columns.

Uintahite: A New Variety of Asphaltum from the Uinta Mountains, Utah. By W. P. Blake. E. & M. J., vol. 40, p. 431. $\frac{1}{3}$ column.

The Utah Mineral Waxes. E. & M. J., vol. 48, p. 25. $1\frac{1}{2}$ columns.

Gilsonite in Utah. Min. & Sci. Press, vol. 78, p. 4. $\frac{1}{3}$ column.

The Hydrocarbons of Eastern Utah. By D. Maguire. M. & M., vol. 20, p. 398. 4 columns. I.

Gilsonite and Coal in Uinta County, Utah. E. & M. J., vol. 84, p. 918. 3 columns. I.

The Hydrocarbons of Eastern Utah, with Special Reference to the Deposits of Ozokerite, Gilsonite, and Elaterite. By Don Maguire. M. & M., vol. 20, p. 398. 4 columns. I.

The Asphalt of Trinidad. Min. & Sci. Press, vol. 66, p. 262. $1\frac{3}{4}$ columns.

Trinidad Asphalt. Min. & Sci. Press, vol. 68, p. 117. $\frac{1}{2}$ column.

Manjak Deposits of the Barbados: A New Source of Asphaltum. Min. & Sci. Press, vol. 75, p. 75. $\frac{1}{2}$ column.

California Asphalt and Bitumen. Min. & Sci. Press, vol. 77, pp. 53, 56, 177, 181.

Notes on the Albertite of New Brunswick. By J. Rutherford. T. F. C. M. I., vol. 3, p. 40. 8 pages. I.

Wurtzite. E. & M. J., vol. 48, p. 542. $\frac{2}{3}$ column.

THE OZOKERITE (Mineral Wax) MINE OF THE GALIZISCHE KREDITAUK, AT BORYSLAW, GALICIA, AUSTRIA. By D. M. Chambers. T. I. M. E., vol. 33, p. 535. 6 pages.

ALCATRAZ ASPHALT. Min. & Sci. Press, vol. 71, p. 197. 4 columns+. I.

ASPHALT MINES IN SYRIA. Min. & Sci. Press, vol. 67, p. 22. ¾ column.

BITUMEN IN FRANCE. Min. & Sci. Press, vol. 65, p. 221. ⅓ column.

ASPHALTUM DEPOSITS IN SOUTH AMERICA. Min. & Sci. Press, vol. 65, p. 236. ½ column.

THE ORIGIN OF PETROLEUM. By L. Feuchtwanger. Am. Jour. Min., vol. 3, p. 223, 1½ columns; vol. 2, p. 41, 1½ columns; p. 44, ⅓ column; vol. 1, p. 9, 4 columns; p. 25, 1½ columns; p. 41, 3 columns, I.; p. 57, 3 columns, I.

THE GENESIS OF PETROLEUM AND ASPHALTUM IN CALIFORNIA. By A. S. Cooper. Min. & Sci. Press, vol. 78, p. 124, 1½ columns; p. 149, 1¾ columns; p. 182, 2 columns; p. 205, 1½ columns; p. 264, 2 columns+, I.; p. 289, 2 columns, I.; p. 320, 2½ columns, I.; p. 344, 3½ columns, I.; p. 377, 2 columns, I.; p. 401, 2 columns; p. 432, 1¾ columns; p. 460, 1 column; p. 477, 1 column, I.

THE VOLCANIC ORIGIN OF OIL. By E. Coste. T. A. I. M. E., vol. 35, pp. 288–297. 10 pages.

THE OCCURRENCE, MODE OF WORKING, AND ORIGIN OF PETROLEUM IN LOWER ALSACE, GERMANY. By L. van Werveke. T. F. I. M. E., vol. 9, p. 389. 20 pages.

VOLCANIC ORIGIN OF NATURAL GAS AND PETROLEUM. By E. Coste. J. C. M. I., vol. 6, p. 73. 56 pages.

ORIGIN OF PETROLEUM: Theories Proposed. M. & M., July, 1901, p. 541.

THE ORIGIN OF PETROLEUM: Different Theories which Have Been Advanced and the Circumstances for and against Them. By J. Ohly. M. & M., July, 1902, p. 532. 3¾ columns.

IS OIL OF VOLCANIC ORIGIN? By E. Coste, G. R. Mickle and R. Bell. Min. Mag., Aug., 1904, p. 137. 2 columns.

ORIGIN, CONSTITUTION, AND DISTRIBUTION OF ROCK GAS AND RELATED BITUMENS. By W. J. McGee. U. S. G. S., 11th Ann. Rept., pt. 1, pp. 589–616. 1891.

THE ANTICLINAL THEORY OF NATURAL GAS. By H. M. Chance. T. A. I. M. E., vol. 15, p. 3.

ANTICLINAL THEORY OF NATURAL GAS. By I. C. White. Petroleum Age, Mar., 1886. Science, June, 1885.

THE GEOLOGY OF NATURAL GAS. By C. A. Ashburner. T. A. I. M. E., vol. 14, p. 428.

NATURAL GAS. By F. H. Oliphant. Rept. Census Office, Mines & Quarries, 1902, p. 767. 28 columns.

PROBABLE YIELD OF GAS ROCK. T. A. I. M. E., vol. 15, p. 12. Iron Age, Mar. 25, 1886.

AVERAGE RANGE IN COMPOSITION OF NATURAL GAS. T. A. I. M. E., vol. 15, p. 11.

ORIGIN OF THE DIAMOND. E. & M. J., vol. 82, p. 268. ½ column.

DIAMONDS: Formation of. Diamond Mines of South Africa, pp. 479–510,

THE GENESIS OF CINNABAR DEPOSITS. By S. B. Christy. Min. & Sci. Press, vol. 38, p. 214, 2¾ columns; p. 226, 3¼ columns.

GENESIS OF GRAPHITE. E. & M. J., vol. 83, p. 848. 1 column.

NATURE AND ORIGIN OF DEPOSITS OF PHOSPHATE OF LIME. By R. A. F. Penrose. U. S. G. S., Bull. No. 46, 143 pages. 1888.

The Occurrence of Gold and Silver

THE AGE OF GOLD-BEARING ROCKS. By Rowlandson. Min. & Sci. Press, vol. 16, p. 194, 2 columns; vol. 17, p. 82, 1½ columns; p. 105, ¾ column; Alta, California, Aug. 18 to Dec. 10, 1863; and Min. & Sci. Press, vols. 10 and 11.

The Geological Distribution of Gold. By T. A. Rickard. Min. & Sci. Press, vol. 93, p. 477. 5½ columns. I.

The Geological Features of the Gold Production of North America. By W. Lindgren. T. A. I. M. E., vol. 33, pp. 790, 1077.

The Geological Age of Gold. By Dan De Quille. E. & M. J., vol. 62, p. 54. 1½ columns.

The Age of Gold (Geologic). Min. & Sci. Press, vol. 65, p. 220. ¾ column.

The Wide Distribution of Gold. By A. Lakes. M. & M., vol. 20, p. 245. 3 columns.

The Genesis and Distribution of Gold. By J. S. Newberry. Sch. Mines Quart., vol. 3, p. 5. 12 pages.

Relative Abundance of Gold in Different Geological Formations. By W. P. Blake. E. & M. J., vol. 53, p. 348. ⅔ column.

The Occurrence and Reduction of Gold. By A. Woodhouse. J. M. Soc. N. S., vol. 2, pt. 1, p. 15. 17½ pages.

Notes on the Chief Gold Districts Throughout the World. Min. & Sci. Press, vol. 13, p. 50, 2½ columns; p. 66, 2½ columns; p. 98, 2 columns; p. 130, 2 columns; pp. 162, 178, 210, 226, 290.

The Precious Metals of the Land of Midian. Min. & Sci. Press, vol. 35, p. 150. ½ column.

Gold Mining in the Khanate of Bokhara. By D. Ruffnaun. E. & M. J., vol. 61, p. 612. 1 column.

Notes on the Gold of the Roodepoort District. By G. Andreoli. P. C. M. & M. Soc. S. A., vol. 5, p. 73. 4 pages.

The Gold Mines of Philip of Macedonia. By J. E. Spurr. E. & M. J., vol. 73, p. 272. 3⅞ columns. I.

The Ancient Auriferous Conglomerates of Southern Rhodesia. By J. W. Gregory. T. I. M. & M., vol. 15, p. 563. 25 pages. I.

The Economic Value of the Main Reef, Witwatersrand. By W. F. Wilkinson. J. C. & M. Soc. S. A., vol. 2, p. 143. 9 pages.

New Rand Gold-Field, Orange River Colony. By A. R. Sawyer. T. I. M. E., vol. 33, p. 530. 4½ pages.

The Mining Fields of Southern Rhodesia in 1905. By J. W. Gregory. T. I. M. E., vol. 31, p. 46. 57 pages. I.

The Gold-Fields of Rhodesia. T. I. M. E., vol. 31, p. 52. 49 pages. I.

Auriferous Conglomerates of the Witwatersrand. By F. G. Shaw. T. F. I. M. E., vol. 5, p. 169. 19 pages.

The Gold-Fields of South Africa. E. & M. J., vol. 44, p. 276, 1⅔ columns; and p. 295, 1 column.

The Buffelsdoorn and Adjacent Districts of the Northern Klerksdorp Gold-Fields, Transvaal. By W. Smith. T. I. M. E., vol. 22, p. 444. 4 pages. I.

The Rand Conglomerates, Transvaal. By H. Pearson. T. I. M. E., vol. 22, p. 209. 6 pages.

Witwatersrand Banket, with Notes on other Gold-Bearing Pudding Stones. U. S. G. S., 18th Ann. Rept., pt. 5, pp. 153–184. 1897.

Mining on the Black Reef, Witwatersrand Goldfields, South Africa. By W. F. Wilkinson. T. I. M. & M., vol. 6, p. 94.

Ore-Deposits of Matabeleland. T. I. M. & M., vol. 10, p. 344. I.

An Estimate of the Gold Production and Life of the Main Reef Series, Witwatersrand, Down to 6000 Feet. By T. H. Leggett. T. I. M. & M., vol. 12, p. 36. 20 pages.

Pilgrim's Rest: A Rich South African Gold Field. By M. Fergusson. M. & M., vol. 19, p. 484, 3½ columns, I.; and p. 564, 5 columns, I.

Notes on the Ventuskroom Gold-Fields, South African Republic. By H. B. Bunkell. T. F. I. M. E., vol. 12, p. 186. 4 pages. I.

Remarks on the Banket Formation at Johannesburg, Transvaal. By A. R. Sawyer. T. F. I. M. E., vol. 9, p. 360. 12 pages. I.

List of Literature on African Geology and Ore-Deposits. T. F. I. M. E., vol. 12, pp. 320, 321, 322.

A Few Remarks on Banket Formation. By A. W. Sawyer. J. C. & M. Soc. S. A., vol. 3, p. 369. 4½ pages.

Ore Deposits and Mineralization in the Rand Mines. Gold Mines of the Rand, p. 67. 20 pages.

The Witwatersrand Gold Deposits and Their Associated Rocks. By F. H. Hatch. E. & M. J., vol. 76, p. 701. 3⅓ columns.

Remarks on the Rand Conglomerate. E. & M. J., vol. 76, p. 575. 4⅓ columns.

Notes on the Geology of the DeKaap Gold-Fields in the Transvaal. By W. H. Furlonge. T. A. I. M. E., vol. 18, p. 334.

Witwatersrand Banket Beds. By F. G. Shaw. J. C. & M. Soc. S. A., vol. 1, p. 34. 4½ pages.

Banket Beds and Banket. The Witwatersrand Gold-Fields, p. 41. 31 pages. I.

The Genesis of the Witwatersrand Banket. The Witwatersrand Gold-Fields, p. 123. 6 pages.

The Witwatersrand Gold Deposits. E. & M. J., vol. 76, p. 728. 1⅔ columns.

Geology of the Rand Gold Mines. The Gold Mines of the Rand, p. 4. 12 pages.

The Auriferous Conglomerates or "Banket" Beds of the Rand. The Gold Mines of the Rand, p. 22. 44 pages. I.

Geological Description of the Gold-Mines of the Transvaal: Witwatersrandt, Heidelberg, and Klerksdorp Districts. By L. De Launay. T. F. I. M. E., vol. 11, p. 378. 81 pages.

The Main Reef Series. Witwatersrand Gold-Fields, p. 68. 25 pages. I.

List of Papers and Works of Reference on the Witwatersrand Gold-Fields. T. I. M. & M., vol. 12, p. 281.

The Origin of the Witwatersrand Gold. By F. H. Hatch and G. S. Corstorphine. E. & M. J., Jan. 12, 1905, p. 80. 5 columns.

Gold Mining in the Transvaal, South Africa. By J. H. Hammond. M. & M., Aug., 1902, p. 30. 8½ columns.

Geology of the Southern Transvaal. By W. Gibson. T. F. I. M. E., vol. 6, p. 124. 10 pages. I.

Geology of the Witwatersrand. The Witwatersrand Gold-Fields, p. 5. 38 pages. I.

Gold-Mining in the Transvaal, South Africa. By J. H. Hammond. T. A. I. M. E., vol. 31, pp. 817 and 1032.

The Gold-Fields of Matabeleland. By F. G. Shaw. T. F. I. M. E., vol. 11, p. 29, 11 pages. I.

The New Deep-Level Mines in the Transvaal. E. & M. J., vol. 74, p. 377. 1½ columns.

Deep Level Mines on the Witwatersrand. E. & M. J., vol. 74, p. 546. 1 column.

The Klerksdorp District, South Africa. By T. L. Carter. E. & M. J., vol. 78, p. 467. 3 columns. I.

Observations on the Rand Conglomerate. By L. De Launay. E. & M. J., vol. 75, p. 519. 7¾ columns. I.

The Future of the Rand. By J. H. Curle. E. & M. J., vol. 78, p. 903. 1⅔ columns.

The Rand Deep-Levels. Min. & Sci. Press, vol. 79, p. 314, 1¾ columns; p. 344, 3 columns.

The North Extension of the Witwatersrand Gold-Field. By A. R. Sawyer. T. N. S. I. M. & M. E., vol. 10, p. 124. 28 pages. I.

Notes on the Payable Conglomerate Beds of the Witwatersrand, and the Methods Adopted for Their Extraction. By A. F. Crosse. T. I. M. & M., vol. 7, p. 2. 10 pages.

The Rand Conglomerates, Transvaal. By H. Pearson. T. I. M. E., vol. 27, p. 209. 4¼ pages.

The South Rand Goldfield, Transvaal. By A. R. Sawyer. T. I. M. E., vol. 27, p. 546. 10 pages. I.

The Transvaal Kromdraai Conglomerates. By A. R. Sawyer. T. I. M. E., vol. 27, p. 457. 6 pages. I.

Occurrence of Gold in West Africa, Ivory Coast. T. I. M. & M., vol. 12, p. 163.

The Tarkwa Gold-Field, West Africa. By A. R. Sawyer. T. I. M. E., vol. 22, p. 402, 16 pages, I.; vol. 23, p. 527, 5 pages, I.

Notes on the Gold Coast of West Africa. By L. P. Bowler. T. I. M. E., vol. 24, p. 413. 4 pages.

The Gold-Fields of the West Coast of Africa. E. & M. J., vol. 71, p. 623. 1⅚ columns.

Notes on the Ivory Coast of West Africa. By S. J. Truscott. T. I. M. & M., vol. 12, p. 161. 14 pages. I.

Some Banket Deposits of the Gold Coast, West Africa. By E. Halse. T. F. I. M. E., vol. 2, p. 69. 16 pages.

The Banket of the Tarkwa Goldfield, West Africa. Witwatersrand Gold-Fields, p. 487. 22 pages. I.

Further Notes on the Alabama and Georgia Gold-Fields. By W. M. Brewer. T. A. I. M. E., vol. 26, p. 464.

The Gold Regions of Alabama. By W. B. Phillips. T. F. I. M. E., vol. 14, p. 93. 6 pages.

Notes on the Alabama Gold Belt. E. & M. J., vol. 51, p. 57. 1 column.

Some Alabama Gold Mining Districts. By W. M. Brewer. E. & M. J., vol. 55, p. 486. 1¾ columns.

The Turkey Heaven Gold District, Alabama. By W. M. Brewer. E. & M. J., vol. 56, p. 79. 1 column. I.

Some Auriferous Quartz Bodies in Alabama. By W. M. Brewer. E. & M. J., vol. 64, p. 458. 1⅔ columns.

The Geology of the Treadwell Ore Deposits, Douglas Island, Alaska. By A. C. Spencer. T. A. I. M. E., vol. 35, p. 473. 38 pages. I.

Mining in Ketchikan District, Alaska. By W. M. Brewer. E. & M. J., vol. 82, p. 444. 5 columns.

Ketchikan, Alaska. By H. W. Turner. Min. & Sci. Press, vol. 93, p. 173. 4 columns. I.

Possibilities of Quartz Mining in Nome District, Alaska. By F. Lundstrom. Min. & Sci. Press, vol. 89, p. 22. 1 column.

Gold Mining in Alaska: A Description of the Southeastern Part of the Country; Its Formations and Some of the Minerals. By H. van F. Furman. M. & M., vol. 21, p. 433. 7¼ columns.

White Horse Mining District, Yukon Territory. By W. M. Brewer. E. & M. J., vol. 73, p. 167. 6 columns.

M'Kee Creek, Atlin Mining Division, British Columbia. E. & M. J., vol. 73, p. 242. 1½ columns.

Mining Along the Alaska Coast: Ketchikan, Alaska — The Atlin Country. By W. M. Brewer. E. & M. J., vol. 72, p. 229. 4½ columns. I.

Mineral Resources of Alaska. By I. Petroff. E. & M. J., vol. 51, p. 373. 2¼ columns.

THE FAIRBANKS DISTRICT, ALASKA. E. & M. J., vol. 80, p. 1013. 1 column.

THE FRAIRBANKS PLACER DISTRICT, ALASKA. E. & M. J., vol. 78, p. 216. ¾ column.

THE GOLOVIN BAY REGION OF NORTHWESTERN ALASKA. By J. D. Lowny. E. & M. J., vol. 71, p. 751. 2 columns.

THE TREADWELL GROUP OF MINES, DOUGLAS ISLAND, ALASKA. By R. A. Kinzie. M. & M., vol. 24, p. 251.

THE GEOLOGY OF THE TREADWELL ORE-DEPOSITS, DOUGLAS ISLAND, ALASKA. By A. C. Spencer. T. A. I. M. E., vol. 35, p. 473. 38 pages. I.

THE KETCHIKAN MINING DISTRICT, ALASKA. By W. M. Brewer. E. & M. J., vol. 72, p. 630. 5½ columns.

THE FAIRBANKS DISTRICT, ALASKA. By W. M. Brook. E. & M. J., vol. 78, p. 875. 2 columns.

RECONNAISSANCE FROM RESURRECTION BAY TO THE TANANA RIVER IN 1898. U. S. G. S., 20th Ann. Rept., pp. 264–340. 1900.

THE CHISTOCHINA GOLD FIELD, ALASKA. U. S. G. S., Bull. No. 213, pp. 71–75. 1903.

RECONNAISSANCE OF THE CHITINA RIVER AND THE SKOLAI MOUNTAINS, ALASKA. By O. Rohn. U. S. G. S., 21st Ann. Rept., pt. 2, pp. 398–440. 1901.

RECONNAISSANCE OF A PART OF PRINCE WILLIAM SOUND AND THE COPPER RIVER DISTRICT, ALASKA, IN 1898. By F. C. Schrader. U. S. G. S., 20th Ann. Rept., pt. 7, pp. 341–423. 1900.

RECONNAISSANCE FROM PYRAMID HARBOR TO EAGLE CITY, ALASKA. By A. H. Brooks. U. S. G. S., 21st Ann. Rept., pt. 2, pp. 331–391. 1902.

RECONNAISSANCE OF A PART OF THE KETCHIKAN MINING DISTRICT, ALASKA. By A. H. Brooks. U. S. G. S., Professional Paper No. 1. 116 pages. 1902.

RECONNAISSANCE OF THE CAPE NOME AND ADJACENT GOLD FIELDS OF SEWARD PENINSULAR, ALASKA, IN 1900. By A. H. Brooks, G. B. Richardson and A. J. Collier. In Reconnaissances in the Cape Nome and Norton Bay Regions, Alaska, in 1900; a royal octavo pamphlet published in 1901 by order of Congress, pp. 1–184.

A RECONNAISSANCE OF THE NORTHWESTERN PORTION OF SEWARD PENINSULAR, ALASKA. By A. J. Collier. U. S. G. S., Professional Paper No. 2. 68 pages. 1902.

THE GLEN CREEK GOLD MINING DISTRICT, ALASKA. By A. J. Collier. U. S. G. S., Bull. No. 213, pp. 45–56. 1903.

GEOLOGY OF THE YUKON GOLD DISTRICT, ALASKA, WITH AN INTRODUCTORY CHAPTER ON THE HISTORY AND CONDITIONS OF THE DISTRICT TO 1887. By J. E. Spurr and H. B. Goodrich. U. S. G. S., 18th Ann. Rept., pt. 3, pp. 89–392, maps. 1898.

PRELIMINARY REPORT ON THE KETCHIKAN MINING DISTRICT, ALASKA. U. S. G. S., Professional Paper No. 1. 120 pages. 1902.

RECONNAISSANCE IN THE TANANA AND WHITE RIVER BASINS, ALASKA, IN 1898. By A. H. Brooks. U. S. G. S., 20th Ann. Rept., pt. 7, pp. 429–494. 1900.

THE GEOLOGY OF THE KLONDIKE REGION. By J. B. Tyrrell. E. & M. J., vol. 67, p. 116. 1½ columns.

RECONNAISSANCE OF THE GOLD FIELDS OF SOUTHERN ALASKA, WITH SOME NOTES ON THE GENERAL GEOLOGY. U. S. G. S., 18th Ann. Rept., pt. 3, pp. 1–86, maps. 1897.

PLACER GOLD MINING IN ALASKA IN 1902. U. S. G. S., Bull. No. 213, pp. 41–48. 1903.

THE ALASKAN GOLD-FIELDS. By R. L. Dunn. Min. & Sci. Press, vol. 75, p. 121. 3⅔ columns.

KETCHIKAN MINING DISTRICT, ALASKA. Min. & Sci. Press, vol. 83, p. 98. 7 columns. I.

THE ALASKA-TREADWELL MINE. U. S. G. S., 18th Ann. Rept., pt. 3, p. 64. 6 pages. I.

NOTES ON NOME, AND THE OUTLOOK FOR VEIN MINING IN THAT DISTRICT. By F. Rickard. E. & M. J., vol. 71, p. 275. 2½ columns. I.

SOME NOTES ON THE NOME GOLD REGION OF ALASKA. By F. C. Schrader and A. H. Brooks. T. A. I. M. E., vol. 30, p. 236.

THE TOMBSTONE, ARIZONA, MINING DISTRICT. By J. A. Church. T. A. I. M. E., vol. 33, p. 3.

GLOBE DISTRICT, ARIZONA. E. & M. J., vol. 31, p. 248. 1¼ columns.

THE GEOLOGY OF THE GALIURO MOUNTAINS, ARIZONA, AND OF THE GOLD-BEARING LEDGE KNOWN AS GOLD MOUNTAIN. By W. P. Blake. E. & M. J., vol. 73, p. 546. 6 columns. I.

THE LIMESTONE-GRANITE CONTACT-DEPOSITS OF WASHINGTON CAMP, ARIZONA. By W. O. Crosby. T. A. I. M. E., vol. 36, p. 626. 21 pages.

LEAD-SILVER DEPOSITS OF MOWRY, ARIZONA. By R. B. Brinsmade. M. & M., vol. 27, p. 529. 4½ columns. I.

THE VULTURE MINE, ARIZONA. By C. W. Purington. Min. & Sci. Press, vol. 94, p. 308. 4½ columns. I.

THE OCCURRENCE OF AND TREATMENT OF THE ARGENTIFEROUS MANGANESE ORES OF TOMBSTONE DISTRICT, ARIZONA. By C. W. Goodale. T. A. I. M. E., vol. 17, p. 767.

THE GEOLOGY AND VEINS OF TOMBSTONE, ARIZONA. By W. P. Blake. T. A. I. M. E., vol. 10, p. 334.

THE TOMBSTONE DISTRICT OF ARIZONA. Min. & Sci. Press, vol. 90, p. 189. 4½ columns. I.

TOMBSTONE, ARIZONA, MINING DISTRICT. By J. A. Church. E. & M. J., vol. 73, p. 584. 3 columns. I. Map.

TOMBSTONE AND ITS MINES. By W. P. Blake. T. A. I. M. E., vol. 34, p. 668.

COPPER ORE DEPOSITS NEAR MORENCI, ARIZONA. E. & M. J., vol. 43, p. 202, 2½ columns, I.; p. 219, 1 column.

TOMBSTONE, ARIZONA, RESTORED. By R. B. Brinsmade. M. & M., vol. 27, p. 371. 7½ columns. I.

GOLD DEPOSITS OF ARIZONA. By J. H. Pratt. E. & M. J., vol. 73, p. 795. 4½ columns. Map.

MINING IN ARIZONA. E. & M. J., vol. 45, p. 362. 1½ columns.

THE (New) MINING REVIVAL AT TOMBSTONE, ARIZONA. E. & M. J., vol. 73, p. 314. 4¼ columns. I.

THE CONGRESS MINES, ARIZONA. E. & M. J., vol. 77, p. 999. 3 columns. I.

NOTES ON ARIZONA SILVER MINES. By T. B. Comstock. E. & M. J., vol. 57, p. 103. 1⅝ columns.

THE KAISER GOLD MINES, LTD. E. & M. J., vol. 48, p. 404. ⅞ column.

THE PEARCE MINING DISTRICT, ARIZONA. By F. M. Endlich. E. & M. J., vol. 63, p. 571. 1 column.

MINING IN YAVAPAI COUNTY, ARIZONA. By J. F. Blandy. E. & M. J., vol. 66, p. 547. 1¼ columns. I.

THE MINING REGION AROUND PRESCOTT, ARIZONA. By J. F. Blandy. T. A. I. M. E., vol. 11, p. 286.

THE OCCURRENCE AND TREATMENT OF THE ARGENTIFEROUS MANGANESE ORES OF TOMBSTONE DISTRICT, ARIZONA. By C. W. Goodale. T. A. I. M. E., vol. 18, p. 910.

THE FORTUNA GOLD MINE, ARIZONA. By W. P. Blake. E. & M. J., vol. 63, p. 664. 1 column.

MINING IN YAVAPAI COUNTY, ARIZONA. By J. F. Blandy. E. & M. J., vol. 63, p. 212, 1¼ columns; p. 632, 4 columns, I.

Occurrence of Gold and Silver in Oxidized Copper Ores in Arizona. E. & M. J., vol. 45, p. 435. ½ column.

The Silver King Mine, Arizona. E. & M. J., vol. 47, p. 85. 1 column.

Yavapai County, Arizona. E. & M. J., vol. 78, p. 832. 4¾ columns. I.

The Silverbell Mountains, Arizona. By W. G. Barney. E. & M. J., vol. 78, p. 755. 2 columns.

The Silver King Mine, Arizona. E. & M. J., vol. 46, p. 542. 1 column.

La Fortuna Mine, Arizona. Min. & Sci. Press, vol. 84, p. 34. ⅔ column. I.

Silver in Arkansas. By C. F. Conrad. E. & M. J., vol. 30, p. 172, 1¾ columns; p. 186, 1½ columns; and p. 203, 3 columns.

The Zeehan and Dundas Silver Field, Tasmania. By W. Thorne. T. I. M. & M., vol. 4, p. 50.

Observations on Some Gold-Bearing Veins of the Coolgardie, Yilgarn, and Murchison Gold-Fields, Western Australia. By E. Halse. T. F. I. M. E., vol. 14, p. 289. 24 pages. I.

The Peculiar Ore Deposit of the East Murchison United Gold-Mine, Western Australia. By D. P. Mitchell. T. A. I. M. E., vol. 29, p. 556.

The Superficial Alteration of Western Australian Ore-Deposits. By H. C. Hoover. T. A. I. M. E., vol. 28, p. 758.

The Origin of the Gold-Bearing Quartz of the Bendigo Reefs, Australia. By T. A. Rickard. T. A. I. M. E., vol. 22, pp. 289, 738.

Characteristics of Gold-Quartz Veins in Victoria. By W. Lindgren. E. & M. J., Mar. 9, 1905, p. 458. 7 columns. I.

Gold-Quartz Veins in Victoria. By T. A. Rickard. E. & M. J., Mar. 23, 1905, p. 573. 4 columns.

Inverted Saddle Reefs in New South Wales. By J. B. Jaquet. M. & M., vol. 26, p. 120. 2 columns. I.

The Alluvial Deposits of Western Australia. By T. A. Rickard. T. A. I. M. E., vol. 28, p. 490.

The Bendigo Gold-Field: Ore-Deposits Other than Saddles. By T. A. Rickard. T. A. I. M. E., vol. 21, p. 686.

The Ore-Deposits of the Australian Broken Hill Consols Mine, Broken Hill, New South Wales. By G. Smith. T. A. I. M. E., vol. 26, p. 69.

The Broken Hill Silver Mines in Australia. E. & M. J., vol. 62, p. 31. 1¾ columns.

The Gold-Fields of Otago. By T. A. Rickard. T. A. I. M. E., vol. 21, p. 411.

The Indicator Veins, Ballarat, Australia. By T. A. Rickard. E. & M. J., vol. 60, p. 561. 3 columns. I.

The Goldfields of Western Australia. By A. F. Colvert. E. & M. J., vol. 57, pp. 438, 461. 2 columns.

Report on the Bendigo Gold Field. By T. A. Rickard. E. & M. J., vol. 56, p. 243. 1⅔ columns.

The Geological Ages of the Gold-Deposits of Victoria. By J. Stirling. T. I. M. E., vol. 20, p. 442. 34 pages. I.

The Kalgoorlie Gold-Mines, Western Australia. By H. F. Bulman. T. I. M. E., vol. 17, p. 343. 24 pages. I.

The Ore-Deposits of the Silver Spur Mine and Neighborhood, Texas, Queensland. By H. G. Stokes. T. I. M. E., vol. 17, p. 274. 12 pages. I.

The Nullagine District, Pilbarra Gold-Field, Western Australia. By S. J. Becher. T. I. M. E., vol. 16, p. 44. 10 pages. I.

The Kalgoorlie Mines of the Great Western Australian Gold Backbone. By D. H. Lawrence. T. I. M. E., vol. 15, p. 436. 6 pages.

Hydrothermal Gold-Deposits at Peak Hill, Western Australia. By F. Reed. T. F. I. M. E., vol. 14, p. 89. 4 pages.

Gold in Ancient, Consolidated Placers: The Auriferous, Silurian, and Devonian Formation of Gippsland, Victoria, Australia. By H. Herman. M. & M., vol. 19, p. 324. 1 column.

Notes on the South German Mine, Maldon, Victoria. By J. Mactear. T. I. M. & M., vol. 6, p. 43.

Gold and Other Mineral Resources of Western Australia. By R. H. Lapage. T. F. I. M. E., vol. 7, p. 497. 36 pages.

The Kalgoorlie Gold-Field. By S. J. Becher. T. I. M. E., vol. 18, p. 42. 8 pages. I.

The Charters Towers Gold-Fields, Queensland. By J. M. Maclaren. T. I. M. E., vol. 21, p. 379. 22 pages. I.

The Saddle Reefs of Bendigo, Australia. By T. A. Rickard. E. & M. J., vol. 73, p. 440. 12 columns. I.

The Kalgoorlie Gold-Field. By H. J. Brooks. E. & M. J., vol. 73, p. 49. 2½ columns. I.

The Deep Leads in Victoria. By W. Lindgren. E. & M. J., Feb. 16, 1905, p. 314. 9 columns. I.

The Mount Morgan Mine, Australia. E. & M. J., vol. 80, p. 633. 1 column.

Mining in Western Australia. M. & M., vol. 25, p. 601. 2 columns.

The Barrier Range Silver Field, Australia. By G. E. Boxall. E. & M. J., vol. 54, p. 340. 2 columns.

The Gimpie Goldfield, Australia. By F. D. Power. E. & M. J., vol. 79, p. 1040. 6 columns. I.

Gold Mining in Australia. E. & M. J., vol. 44, p. 205. 1¼ columns.

The Mount Morgan Mine. Min. & Sci. Press, vol. 85, p. 174. 1¾ columns.

The Mount Morgan Gold Mine. By E. Hall. Min. & Sci. Press, vol. 77, p. 633. 1 column.

The Mount Morgan Mine, Queensland. Min. & Sci. Press, vol. 79, p. 610. 1¾ columns.

Mount Boppy Goldfield, New South Wales. By E. F. Pitman. M. & M., vol. 27, p. 13. 2¾ columns. I.

The Deep Alluvial Leads of Victoria, Australia. By E. Lidgey. T. I. M. & M., vol. 7, p. 96. 26 pages.

Bibliography of the Deep Alluvial Workings, Australia. T. I. M. & M., vol. 7, p. 115. 3½ pages.

The Lucknow (New South Wales) Gold Field. By A. R. Canning. T. I. M. & M., vol. 7, p. 238. 34 pages. I.

The Victoria Gold Field and the Poor Rock there Worked with Profit. Am. Jour. Min., vol. 2, p. 43, ½ column; and p. 60, 1¾ columns.

Notes on Western Australia Mines. By J. Gruss. Min. & Sci. Press, vol. 76, p. 4. 2⅞ columns.

Notes on Western Australia Mines. By W. Burrell. E. & M. J., vol. 82, p. 437. 1½ columns.

Notes on the Principal Gold-Mining Districts and Mines of Western Australia. By W. T. Saunders. T. I. M. E., vol. 28, p. 585. 18 pages.

Gold Mining Industry of Australasia. By F. S. Mance. E. & M. J., vol. 82, p. 391. 2 columns.

Kalgoorlie, Western Australia. By T. A. Rickard. E. & M. J., vol. 65, p. 460. 2 columns.

A New Australian Silver Field. By J. Plummer. E. & M. J., vol. 66, p. 699. 1 column.

The Alluvial Leads of Western Australia. E. & M. J., vol. 67, p. 555. 1½ columns. I.

What is a Deep Lead? By T. A. Rickard. E. & M. J., vol. 67, p. 646. I.

The Kalgurlie District, Western Australia. E. & M. J., vol. 68, p. 365. 1 column.

The Deep Leads of Victoria, Australia. By W. Lindgren. Min. Mag., Jan., 1905, p. 31. 16 columns. I.

The Mount Morgan Mine, Queensland. By T. A. Rickard. T. A. I. M. E., vol. 20, p. 133.

The Bendigo Gold-Field. By T. A. Rickard. T. A. I. M. E., vol. 20, p. 463.

The Deep Leads in Victoria. By W. Lindgren. E. & M. J., Feb. 16, 1905, p. 314. 9 columns. I.

The Cobar Gold-Copper Field, New South Wales. E. & M. J., vol. 71, p. 406. 1¾ columns.

The Bora Creek Silver District, New South Wales. E. & M. J., vol. 71, p. 121. 2 columns.

Gold Deposits of Mitchell's Creek, New South Wales. T. I. M. & M., vol. 15, p. 526. 14 pages. I.

The Mitchell's Creek Gold Mines, New South Wales. By W. F. Macdonald. T. I. M. & M., vol. 15, p. 526. 14 pages. I.

Geology of Western Australia. By A. G. Charlton. Gold Min. & Mill., W. Aus. Chap. 2. 20 pages.

Alluvial Cement Deposits and Surface Geology of the "25-Mile," Kanowa, and Kalgoorlie Districts. Gold Min. & Mill., W. Aus. Chap. 2, p. 41. 30 pages. I.

Geology of Kalgoorlie District. Gold Min. & Mill., W. Aus. Chap. 4, p. 71. 46 pages.

Gold in New South Wales. By H. Wood. E. & M. J., vol. 35, p. 147. 3 columns.

The Gold-Silver Mines in Kopink, Hungary. Min. & Sci. Press, vol. 76, p. 284. 4¾ columns.

The Silver Mines at Joachimsthal, Bohemia. By R. Helmhacker. E. & M. J., vol. 62, p. 533. 3 columns.

The Roudney Gold Mine, Bohemia. By O. Eypert. Min. Mag., vol. 11, p. 463. 2 columns.

Notes on Brazilian Gold-Ores. By O. A. Derby. T. A. I. M. E., vol. 33, p. 282.

The Gold-Field of the State of Minas Geraes, Brazil. By H. K. Scott. T. A. I. M. E., vol. 33, p. 406.

Gold in the Highlands of Brazil. By J. C. Branner. E. & M. J., vol. 59, p. 55. 1 column.

The Morro Velho Gold Mine, Brazil. E. & M. J., vol. 72, p. 485. 9½ columns. I.

The Gold-Fields of Calcoene, Brazil. By M. Cleri. E. & M. J., vol. 75, p. 328. 3 columns. I.

Notes on Brazilian Gold Ores. By O. A. Derby. E. & M. J., vol. 74, p. 142. 3 columns.

Gold Mines of Minas, Brazil. E. & M. J., vol. 78, p. 547. 4 columns. I.

The Gold-Field of Paracatú, Minas Geraes, Brazil. By H. Pearson. T. I. M. E., vol. 31, p. 257. 7½ pages.

Minerals Found in the Silver Lodes of Tatasi and Portugatete, Bolivia. By M. Roberts. T. I. M. & M., vol. 7, p. 91. 2½ pages.

The Gold Deposits of the Tipuani River, Bolivia. By F. G. Corning. E. & M. J., vol. 42, p. 58. 5 columns. I.

The Potosi, Bolivia, Silver District. By A. F. Wendt. T. A. I. M. E., vol. 19, p. 74.

The Cruro Silver Mines in Bolivia. By J. Bosadre. E. & M. J., vol. 60, p. 440. 1 column.

The Tipuani Gold-Fields of Bolivia. By W. C. Agle. E. & M. J., vol. 63, p. 544. 1¼ columns.

The Ore Deposits of the Boundary Creek District, British Columbia. By R. W. Brock. J. C. M. I., vol. 5, p. 365. 14 pages.

Gold-Bearing Reefs and Placers of Northern British Columbia. By W. H. Merritt. T. F. C. M. I., vol. 3, p. 103. 9 pages. I.

An Occurrence of Free-Milling Gold Veins in British Columbia. By W. H. Merritt. J. C. M. I., vol. 2, p. 143. 9 pages.

Notes on the Gold-Bearing Lodes of Cayoosh Creek, British Columbia. By G. F. Monckton. T. F. C. M. I., vol. 2, p. 1. 4 pages.

Notes on Atlin Gold Fields. By J. C. Gwillim. J. C. M. I., vol. 3, p. 97. 5 pages.

The Trail Creek Gold Mining District of British Columbia. By J. D. Sword. T. F. C. M. I., vol. 1, p. 83. 13 pages. I.

Boundary and Trail Creek: Mining Districts of British Columbia. By W. L. Austin. M. & M., vol. 18, p. 268. 8 columns.

Gold and Manganese Mining in British Columbia. M. & M., Dec., 1908, p. 237.

The Camborne Mining District of British Columbia. By N. W. Emmens. Min. Mag., Feb., 1905, p. 130. 17 columns. I.

The Boundary District, British Columbia. By C. A. Bramble. E. & M. J., vol. 68, p. 699. 2 columns.

The Atlin District in British Columbia. By W. M. Brook. E. & M. J., vol. 68, p. 605. 2¾ columns. I.

The Cassiar District, British Columbia. E. & M. J., vol. 67, p. 205. 4¾ columns. I.

The Slocan Mining District, British Columbia. By W. M. Brewer. E. & M. J., vol. 65, p. 549. 1 column.

British Columbia: The Big Bend District, West Kootenay. By F. L. Nason. E. & M. J., vol. 63, p. 453. 2¼ columns.

The Pyramid Mineral District, East Kootenay, British Columbia. E. & M. J., vol. 65, p. 698. 1 column.

The West Kootenay Mines, British Columbia. Min. & Sci. Press, vol. 74, p. 153. 1¾ columns.

The Ore-Deposits of Rossland, British Columbia. By B. MacDonald. E. & M. J., vol. 76, p. 198. 5⅔ columns. I.

The Center Star Mine, Rossland, British Columbia. By L. H. Cole. Min. & Sci. Press, vol. 90, p. 104, 1⅔ columns, I.; p. 117, 2⅓ columns, I.; and p. 140, 1¼ columns.

The Ore Deposits of Rossland, British Columbia. By E. B. Kirby. J. C. M. I., vol. 7, p. 47. 21 pages. I.

The Silver-Lead Deposits of the Slocan, British Columbia. By J. D. Kendall. T. I. M. & M., vol. 7, p. 273. 46 pages. I.

Rambler-Cariboo Mines, Slocan District, British Columbia. E. & M. J., vol 82, p. 781. 1 column.

Silver Mines of West Kootenay, British Columbia. By E. D. Ingall. J. M. Soc. N. S., vol. 3, p. 141. 8½ pages.

Notes on the Dromedary Gold-Mines. By S. L. Bensusan. T. I. M. & M., vol. 9, p. 306. 4 pages.

Alluvial Deposits of Horsefly, British Columbia. By W. M. Brewer. Min. & Sci. Press, vol. 87, p. 284, 7 columns, I.; and p. 305, 2½ columns, I.

The Discovery of Gold-Bearing Conglomerates in British Columbia. Min. & Sci. Press, vol. 79, p. 692. 1 column.

THE ATLIN GOLD FIELDS OF BRITISH COLUMBIA. By J. H. Brownlee. Min. & Sci. Press, vol. 80, p. 549. 5 columns. I.

RECENT MINERAL DISCOVERIES ON WINDY ARM OF TAGISH LAKE, BRITISH COLUMBIA. By R. G. McConnell. M. & M., vol. 27, p. 15. 3 columns.

TRAIL CREEK (British Columbia) MINING DISTRICT. Min. & Sci. Press, vol. 73, p. 236. 3¼ columns.

THE CARIBOO QUARTZ LEDGES, BRITISH COLUMBIA. Min. & Sci. Press, vol. 36, p. 33, 3 columns, I.; and p. 82, ⅔ column.

WINDY ARM MINERAL LOCATIONS, BRITISH COLUMBIA. By W. F. Robertson. E. & M. J., vol. 81, p. 701. 6 columns. I.

THE TRAIL CREEK DISTRICT, BRITISH COLUMBIA. By P. C. Stoess. E. & M. J., vol. 58, p. 319. 1 column. Map.

THE SNOWSHOE MINE, BOUNDARY DISTRICT, BRITISH COLUMBIA. By E. Jacobs. E. & M. J., vol. 72, p. 661. 4 columns. I.

THE ST. EUGENE MINE, BRITISH COLUMBIA. By E. Jacobs. E. & M. J., vol. 77, p. 966. 2½ columns.

THE BOUNDARY DISTRICT, BRITISH COLUMBIA. By E. Jacobs. E. & M. J., vol. 76, p. 272. 7¾ columns. I.

THE ATLIN DISTRICT, BRITISH COLUMBIA. By W. W. Grime. E. & M. J., vol. 77, p. 523. 2 columns. I.

NOTES FROM THE ATLIN DISTRICT, BRITISH COLUMBIA. By W. M. Brook. E. & M. J., vol. 74, p. 707. 5½ columns. I.

BOUNDARY DISTRICT OF BRITISH COLUMBIA. By E. Jacobs. E. & M. J., vol. 73, p. 302. 6⅔ columns. I.

BRITISH COLUMBIA: Boundary Mining District; Progress in Mining and Smelting. By W. M. Brewer. E. & M. J., vol. 73, p. 617. 10½ columns. I.

MINING IN BRITISH COLUMBIA: Atlin Mining District; Boulder, Pine and Spruce Creeks; Muro Mountain. By W. M. Brewer. E. & M. J., vol. 72, p. 516. 5½ columns. I.

BRITISH COLUMBIA: Texada Island. By W. M. Brewer. E. & M. J., vol. 72, p. 665. 6½ columns. I.

CAMP MCKINNEY, BRITISH COLUMBIA. By W. M. Brewer. E. & M. J., vol. 72, p. 784. 3 columns. I.

VANCOUVER ISLAND MINES AND PROSPECTS. By W. M. Brewer. E. & M. J., vol. 72, p. 846. 8 columns. I.

THE BRITISH COLUMBIA MINE, SUMMIT CAMP, BOUNDARY DISTRICT. By S. F. Parrish. E. & M. J., vol. 72, p. 92. 2 columns. I.

THE BRIDGE RIVER GOLD MINING CAMP. By F. Cirkel. J. C. M. I., vol. 3, p. 21. 9 pages. I.

MINING DISTRICTS NEAR KAMLOOPS LAKE, BRITISH COLUMBIA. By G. F. Monckton. T. I. M. E., vol. 18, p. 293. 18 pages. I.

GOLD-MINING IN THE ROSSLAND DISTRICT, BRITISH COLUMBIA. By J. J. Sandeman. T. I. M. E., vol. 20, p. 401. 4 pages.

MOUNT SICKER MINING DISTRICT, BRITISH COLUMBIA. By W. M. Brewer. Min. & Sci. Press, vol. 87, p. 7. 4 columns.

MINING IN THE BOUNDARY DISTRICT, BRITISH COLUMBIA. Min. & Sci. Press, vol. 79, p. 341. 2 columns. I.

THE BOUNDARY DISTRICT, BRITISH COLUMBIA. By F. Rickard. Min. & Sci. Press, vol. 94, p. 511. 6 columns. I.

THE HUNTER V. MINE, BRITISH COLUMBIA. By J. Ashworth. T. I. M. E., vol. 29, p. 338. 11 pages. I.

CHARACTERISTICS OF THE ATLIN GOLD FIELD. By J. C. Gwillim. J. C. M. I., vol. 5, p. 21. 10 pages. I.

COBALT, CANADA. By D'Arcy Weatherbe. Min. & Sci. Press, vol. 92, p. 161. 5 columns. I.

COBALT, CANADA. By J. A. Macdonald. Min. & Sci. Press, vol. 93, p. 449. 2¾ columns. I.

The Nipissing Mine, Cobalt, Ontario. By H. C. George. E. & M. J., vol. 82, p. 967. 4 columns. I.

Cobalt, Ontario. By T. A. Rickard. Min. & Sci. Press, vol. 94, p. 23. 5½ columns. I.

Cobalt, Canada. M. & M., vol. 27, p. 456, 7 columns; and p. 488, 7 columns, I.

A Silver Vein under Clear Lake, Cobalt. By J. J. Bell. E. & M. J., vol. 82, p. 823. 1 column.

The Cobalt Mining District. By W. M. Courtis. E. & M. J., vol. 82, p. 5. 6 columns. I.

The Cobalt District, Canada. E. & M. J., vol. 82, p. 1181. 3 columns.

The Nipissing and Foster: Cobalt Mines. By R. Meeks. E. & M. J., vol. 83, p. 274. 8 columns. I.

The Mines of Cobalt. By R. Meeks. E. & M. J., vol. 83, p. 138, 11 columns, I.; and p. 186, 8 columns, I.

The Mines at Cobalt, Canada. By R. Meeks. E. & M. J., vol. 83, p. 96. 7 columns. I.

The Bonanza Silver Mines of Cobalt, Ontario. By W. S. Hutchinson. E. & M. J., vol. 83, p. 793. 4 columns. I.

The Silver Islet Mine and Its Present Development. By F. A. Lowe. E. & M. J., vol. 34, p. 320. 4½ columns.

The Silver Islet Vein, Lake Superior. By W. McDermott. E. & M. J., vol. 23, p. 54, 1⅔ columns; and p. 70, 1½ columns.

A Whole Island of Silver on the North Shore of Lake Superior (Silver Islet). E. & M. J., vol. 11, p. 4. ¾ column.

The Silver Mines of Thunder Bay, Lake Superior. By R. Bell. E. & M. J., vol. 43, p. 23, 1 column; p. 42, 1 column; and p. 345, 1½ columns.

The Silver Mines of Thunder Bay. By P. McKellar. E. & M. J., vol. 59, p. 391. 1¼ columns.

Silver Islet. By T. Macfarlane. T. A. I. M. E., vol. 8, p. 226.

The Rainy Lake Gold District. E. & M. J., vol. 58, p. 581. 1 column.

The Geology and Character of the Rainy Lake Gold District, Canada. By W. W. Taylor. E. & M. J., vol. 58, p. 509. ½ column.

The Gold-Fields of the Rainy River District. By H. V. Winchell. E. & M. J., vol. 64, p. 485. 3⅔ columns. I.

The Occurrence of Gold-Ores in the Rainy River District, Ontario, Canada. By W. H. Merritt. T. A. I. M. E., vol. 26, p. 853.

Black Eagle Mine, Lake of the Woods, Ontario, Canada. E. & M. J., vol. 74, p. 448. 2 columns. I.

The Lake of the Woods Gold-Field. By T. A. Rickard. E. & M. J., July 3, 1897, p. 5. 5½ columns. I.

The Lake of the Woods District, Ontario. E. & M. J., vol. 74, p. 646. 1¼ columns. I.

Notes on the Lake of the Woods District. By F. H. Probert. T. I. M. & M., vol. 8, p. 332.

Lake-of-the-Woods, Ontario, Gold District. By W. Douglas. E. & M. J., vol. 59, p. 152. 1 column.

The Gold-Bearing Veins of Bag Bay, near Lake of the Woods. By Peter McKellar. T. A. I. M. E., vol. 29, p. 104.

Notes on Gold Mining in Hastings County, Ontario, Canada. By J. T. Donald. E. & M. J., vol. 66, p. 668. 1 column.

The Klondike Gold-Fields. By H. Bratnober. E. & M. J., vol. 64, p. 484. 1¼ columns.

The Bed-Rock of the Gilbert River Gold-Fields, Quebec. By J. A. Dresser. J. C. M. I., vol. 8, p. 259. 8 pages. I.

The Montreal River Silver District. By R. Meeks. E. & M. J., vol. 84, p. 544. 12 columns. I.

New Silver District in the Temagami Reserve, Canada. By L. H. Mattair. E. & M. J., vol. 83, p. 1144. 2½ columns. I.

Timiskaming, Canada. By S. Dillon-Mills. E. & M. J., vol. 79, p. 996. 4 columns. I.

Timiskaming, Ontario. By F. Hewett. E. & M. J., vol. 80, p. 447. 4 columns. I.

The Eastern Ontario Gold Belt. By W. G. Miller. E. & M. J., vol. 74, p. 850. 1½ columns.

Nova Scotia Gold Mines. By G. W. Stuart. E. & M. J., vol. 67, p. 292. 1 column.

On the Gold Measures of Nova Scotia and Deep Mining. By E. R. Faribault. The Can. Min. Rev., Mar. 31, 1899, pp. 78–96. 18 pages. I.

The Klondike Gold-Fields. By J. Meikeljohn. T. I. M. E., vol. 19, p. 352. 12 pages. I.

Notes on the Gold Ores of Western Ontario. By C. Brent. J. C. M. I., vol. 6, p. 327. 9 pages.

Gold Mining in the Yukon District. By W. M. Ogivie. T. F. C. M. I., vol. 263. 10 pages.

Notes on the Western Ontario Gold Fields. T. F. C. M. I., vol. 2, p. 278. 5 pages.

The Gold Deposits of the Eastern Townships. By R. W. Ellis. T. F. C. M. I., vol. 1, p. 109. 18 pages.

The Gold-Bearing Deposits of the Eastern Townships of Quebec. By R. Chalmers. T. F. C. M. I., vol. 2, p. 13. 29 pages.

The Mispickel Gold Ores of Deloro, Ontario. By J. W. Wells. T. F. C. M. I., vol. 2, p. 127. 7 pages.

Canadian Gold: An Account of the Occurrence of Gold in the Rainy River District and the Province of Quebec. M. & M., vol. 18, p. 541. 1⅓ columns. I.

Work in the Gold-Fields of Ontario, Canada. E. & M. J., vol. 60, p. 445. 1 column.

The Bed-Rock of the Gilbert River Gold Fields, Quebec. E. & M. J., Mar. 23, 1905, p. 556. 2 columns.

The Gold-Bearing Mispickel Veins of Marmora, Ontario, Canada. By R. P. Rothwell. T. A. I. M. E., vol. 9, p. 409.

The Western Ontario Gold Fields and their Genesis. By F. Hille. T. F. C. M. I., vol. 2, p. 78. 15 pages. I.

West Kootenay Ore Bodies. By R. W. Brock. J. C. M. I., vol. 2, p. 72, 15 pages, I.; and vol. 3, p. 141, 2 pages.

Description of the Sultana Quartz Lode, and the Sinking of the Burley Shaft in Bald Indian Bay, Lake of the Woods. By J. Burley. J. C. M. I., vol. 2, p. 87. 9 pages. I.

Some West Kootenay Ore Bodies. By J. C. Gwillim. T. F. C. M. I., vol. 3, p. 21. 8 pages.

Notes on Some Deposits in the Eastern Ontario Gold Belt. By C. W. Knight. J. C. M. I., vol. 7, p. 210. 33 pages. I.

Note on Windy Arm Silver-Bearing Veins. By R. G. McConnell. J. C. M. I., vol. 9, p. 49. 5 pages.

Characteristic Features of Veins in Granite in California. Min. & Sci. Press, vol. 78, p. 428. 3 columns.

Gold Veins in Granite in California. By W. H. Storms. Min. & Sci. Press, vol. 92, p. 348. 3 columns.

About California Gold-Bearing Rocks. By A. Bowman. Min. & Sci. Press, vol. 26, p. 17. 3¼ columns. I.

Peculiar Gold Deposits of California: Modes of Working Them. Min. & Sci. Press, vol. 40, p. 88. 1¾ columns.

Characteristic Features of California Gold Quartz Veins. Min. & Sci. Press, vol. 70, p. 181, 3⅔ columns; p. 213, 2¾ columns; p. 244, 2½ columns; and p. 344, 2¾ columns.

The Age of the California Auriferous Rocks. Am. Jour. Min., vol. 1, p. 273. ⅔ column.

Notes on Contact-Metamorphic Deposits in the Sierra Nevada Mountains. By H. W. Turner. T. A. I. M. E., vol. 34, p. 666.

Characteristics of the El Dorado Gold Belt. By A. T. Heydon. Min. & Sci. Press, vol. 74, p. 233. 1½ columns.

Observations on Mother Lode Gold-Deposits, California. By W. A. Richards. T. A. I. M. E., vol. 34, pp. 454, 973.

A Few Miles of the Mother Lode in California. By R. W. Petre. E. & M. J., vol. 64, p. 635. 1¼ columns.

The Great Mother Lode of California. By H. W. Fairbanks. E. & M. J., vol. 62, p. 248. 4 columns. I.

The Wall Rocks of California Gold Mines. By W. H. Storms. E. & M. J., vol. 59, p. 172. 3½ columns.

Geology of the Bodie District, California. By R. P. McLaughlin. Min. & Sci. Press, vol. 94, p. 795. 4 columns. I.

Calaveras County Mines at Angels' Camp, California. By A. Lakes. M. & M., vol. 20, p. 198. 4 columns. I.

Nevada City and Grass Valley. M. & M., vol. 20, p. 249. 4¾ columns. I.

The Mines of the Calico District, California. E. & M. J., vol. 49, p. 382. 2 columns.

Mining in the Mojave Desert in California. By F. M. Endlich. E. & M. J., vol. 62, p. 197. 1¾ columns.

The Cuyrmaca Mountain Mining Region of San Diego County, California: Mining, etc. By A. Lakes. M. & M., Jan., 1904, p. 264.

Kern County Mines. E. & M. J., Jan. 12, 1905, p. 79. 1¾ columns.

The Alamo District, Lower California, Mexico. By V. Wankowski. M. & M., June, 1901, p. 507. 1 column.

Deep Workings at North Star Mines, California. By E. L. Oliver. E. & M. J., vol. 76, p. 925. 2 columns. I.

The Gold Quartz Mines of Grass Valley, Nevada County, California. By F. G. Corning. E. & M. J., vol. 42, p. 418. 5½ columns. I.

The Desert Mines of California. Min. & Sci. Press, vol. 69, p. 196. 5½ columns. I.

The Primary Gold Deposits of the Sierra Nevada. By W. Lindgren. Min. & Sci. Press, vol. 76, p. 258. 3¾ columns.

Neocene Rivers of the Sierra Nevada. U. S. G. S., Bull. No. 213, pp. 64–65. 1903.

Mineral Resources of the Indian Valley Region, California. U. S. G. S., Bull. No. 260, pp. 45–49. 1905.

The Mother Lode of California: Supposed to be the Largest Vein System in the World. By A. Lakes. M. & M., vol. 19, p. 248. 5¾ columns. I.

Geology of the Comstock Lode. E. & M. J., vol. 37, p. 162. 1 column.

The Mother Lode. Min. & Sci. Press, vol. 77, p. 157. ¾ column.

Gold Formations in California. Min. & Sci. Press, vol. 76, p. 110. 3½ columns.

A "Pocket" Horizon in Trinity County, California. Min. & Sci. Press, vol. 75, p. 549. 1¾ columns.

Mines of the Gold Belt. By W. H. Storms. Min. & Sci. Press, vol. 75, p. 96, 2 columns; and p. 194, 2½ columns.

Gold Mining in California. By A. J. Bowie. Min. & Sci. Press, vol. 73, p. 257, 4 columns; p. 276, 3 columns; p. 295, 2½ columns.

Description of the Gold Belt of California. Min. & Sci. Press, vol. 70, p. 229. 4¾ columns.

Further Notes on the Gold Ores of California. Min. & Sci. Press, vol. 70, p. 344. 2⅞ columns.

The East Country of the Mother Lode. By J. A. Reid. Min. & Sci. Press, vol. 94, p. 279. 2¾ columns. I.

The Gold Mines of Ophir, California. By W. Lindgren. U. S. G. S., 14th Ann. Rept., 1894, pp. 243–284.

The Gold-Quartz Veins of Nevada City and Grass Valley Districts, California. U. S. G. S., 17th Ann. Rept., 1896, pp. 1–262.

Sulphur Creek, Colusa County, California, Gold District. E. & M. J., vol. 42, p. 186. 1½ columns.

Chemical Geology of California Gold Fields. Min. & Sci. Press, vol. 18, p. 99. ⅔ column.

Some Characteristic Mines of the California Gold Belt. Min. & Sci. Press, vol. 78, p. 534, 2 columns; p. 560, 1 column; p. 589, 1 column; and p. 613, ¾ column.

The Yellow Aster Mine, Randsburg, California. Min. & Sci. Press, vol. 78, p. 341. 3 columns. I.

Vein Systems of the Sierra Nevada: Formation and Strike. Min. & Sci. Press, vol. 28, p. 280. 2¾ columns. Map.

The Empire Mines, California, Past and Present. By G. W. Starr. Min. & Sci. Press, vol. 81, p. 120, 1½ columns, I.; p. 152, 2½ columns, I.; and p. 184, 3½ columns, I.

May Lund Gold Mine, Mono County, California. Min. & Sci. Press, vol. 85, p. 163. 1 column. I.

The Gold Mines of Angels, California. Min. & Sci. Press, vol. 89, p. 358. 2 columns. I.

The Gold Belt of Northern California. Min. & Sci. Press, vol. 60, p. 394, 2 columns; p. 412, 1¾ columns; p. 428, 2 columns; vol. 61, p. 3, 3 columns; p. 18, 3⅓ columns; p. 34, 3 columns; p. 50, 3 columns; p. 68, 2½ columns; p. 84, 1½ columns; p. 104, 2 columns; p. 120, 2½ columns; p. 153, 1 column; p. 175, 1 column; p. 207, 1 column; p. 217, 1⅓ columns; p. 248, 1 column; p. 314, 1½ columns; p. 330, 1¾ columns; p. 346, 1 column; p. 369, 1 column; p. 394, 1¾ columns.

Mining on the California Gold Belt. Min. & Sci. Press, vol. 80, p. 578, 2 columns, I.; p. 608, 1¾ columns; p. 644, 1½ columns; p. 670, ¾ column.

The Idaho Mine, California. Min. & Sci. Press, vol. 34, p. 290. 1 column.

Esmeralda District. Min. & Sci. Press, vol. 36, p. 290, 1 column; p. 306, 1⅓ columns; and p. 409, 3¾ columns, I.

Mines and Mining: Plumas and Sierra Counties. Min. & Sci. Press, vol. 28, p. 140, 1¾ columns; p. 146, 2¼ columns; p. 162, 1½ columns; p. 306, 1½ columns; p. 322, 2½ columns; p. 376, 1 column.

The Dorleska Gold Mine, California. By H. Z. Osborne. Min. & Sci. Press, vol. 87, p. 252. 2⅓ columns.

Some Structural Features of the California Gold Belt. By W. H. Storms. Min. & Sci. Press, vol. 87, p. 112, 2⅙ columns, I.; p. 129, 2 columns, I.; p. 149, 1⅔ columns, I.; p. 165, 1 column; p. 183, ⅞ column; p. 202, 1½ columns; p. 216, 1½ columns, I.

The California Gold Region: Distribution of Mines. Min. & Sci. Press, vol. 52, p. 292. ⅞ column.

Notes on Death Valley and the Panamint. By G. D. James. E. & M. J., vol. 80, p. 914. 10½ columns. I.

The Gold Deposits of Nevada County, California. By G. P. Grimsly. E. & M. J., vol. 68, p. 487. 2 columns. I.

The Cretaceous Auriferous Conglomerate of the Cottonwood Mining District, Siskiyou County, California. By H. W. Turner. E. & M. J., vol. 76, p. 653. 6 columns. Map.

The Great Northern Gold Field. By A. B. Paul. Min. & Sci. Press, vol. 74, p. 367. 1½ columns. I.

California Ore Deposits. Min. & Sci. Press, vol. 73, p. 258. 1½ columns.

On the Occurrence of Tellurium in California. Min. & Sci. Press, vol. 16, p. 9. 2¼ columns.

California Silver-Gold Tellurides. Min. & Sci. Press, vol. 16, p. 17. ⅔ column.

Auriferous Veins of Meadow Lake, California. Min. & Sci. Press, vol. 68, p. 118. 2⅙ columns.

The Goler Gold Diggings, Mojave, California. By F. L. Nason. E. & M. J., vol. 59, p. 223. 1 column.

Auriferous Conglomerate in California. By H. W. Fairbanks. E. & M. J., vol. 59, p. 389. 1⅔ columns.

The Randsburg Mining District, California. By F. M. Endlich. E. & M. J., vol. 63, p. 209. 1¾ columns.

Angels' Camp, California, and Vicinity. By H. L. Tyler. E. & M. J., vol. 62, p. 100. 2 columns. I.

The Mojave Mining District of California. By C. E. W. Bateson. T. A. I. M. E., vol. 37, p. 160. 17½ pages. I.

California Gold-Mines: Grass Valley, Nevada County, California. By A. Lakes. M. & M., vol. 19, p. 444. 5½ columns. I.

Angels' Camp, Calaveras County, California. E. & M. J., vol. 42, p. 201. ⅔ column.

The San Diego Gold Mines. E. & M. J., vol. 9, p. 210, ¾ column; and p. 275, 1¼ columns.

The Vanderbilt Mining District, San Bernardino County, California. Min. & Sci. Press, vol. 79, p. 579. 2 columns.

Characteristic Mines of the California Gold Belt. Min. & Sci. Press, vol. 79, p. 92, 1⅔ columns; p. 121, 1½ columns; p. 174, 1 column; p. 284, 1¾ columns.

The Haile Gold Mines of South Carolina. By A. Lakes. M. & M., vol. 21, p. 55, 4 columns, I.; and p. 108, 2¾ columns.

Distribution of Gold in the Haile Mine, South Carolina. Min. & Sci. Press, vol. 93, p. 657. ¾ column.

On Some Peculiarities in the Occurrence of Gold in North Carolina. By W. C. Kerr. T. A. I. M. E., vol. 10, p. 475.

A Southern Gold Mine: King's Mountain, North Carolina. E. & M. J., vol. 54, p. 34. 1¼ columns. I.

Report of Explorations on the Gold Fields of Virginia and North Carolina. By H. Credner. E. & M. J., vol. 6, p. 377, 1¼ columns; p. 393, 1½ columns; p. 406, 1½ columns; p. 361.

Gold and Its Associated Minerals at King's Mountain, North Carolina. By W. B. Devereux. E. & M. J., vol. 31, p. 39. 1½ columns. I.

North Carolina Gold Region. Min. & Sci. Press, vol. 39, p. 246. ⅞ column.

Report of Explorations on the Gold Fields of Virginia and North Carolina. By H. Credner. Am. Jour. Min., vol. 7, p. 9, 1¼ columns; p. 26, 1⅔ columns; p. 42, 1½ columns; p. 58, 1¼ columns; p. 72, 1⅓ columns; p. 105, 1⅔ columns.

Notes on the Carolina Gold Deposits. By W. H. Weed. E. & M. J., vol. 72, p. 494. 1¼ columns.

The Gold Mines of North Carolina. By A. Mezer. E. & M. J., vol. 52, p. 480. 1 column.

Mining in Eastern North Carolina. E. & M. J., vol. 77, p. 167. 2 columns.

The Burns Gold Mine, North Carolina. By H. M. Chance. E. & M. J., vol. 61, p. 132. ⅞ column.

The Reed (Gold) Mine, North Carolina. E. & M. J., vol. 80, p. 877. 1 column.

Gold in North Carolina. Am. Jour. Min., vol. 1, p. 313. 2 columns.

The Gold Mines of the Remedios District, Colombia. By F. Owen. T. I. M. & M., vol. 4, p. 3.

An Outline of the Gold Fields in Colombia, South America. By F. C. Nicholas. E. & M. J., vol. 65, p. 520. 2½ columns.

Gold and Platinum at Novita, Colombia. By R. B. White. E. & M. J., vol. 63, p. 189. ⅔ column. I.

The Gold-Bearing Veins of the Organos District, Tolima, United States of Colombia. By E. Halse. T. F. I. M. E., vol. 5, p. 233. 19 pages.

Explorations in the Gold Fields of Western Colombia. By F. C. Nicholas. Sch. Mines Quart., vol. 18, p. 259. 7 pages.

Gold Mining in Colombia, South America. By I. Davidor. E. & M. J., vol. 73, p. 139. ¾ column.

Placer Mining in Colombia. E. & M. J., vol. 77, p. 963. ⅔ column.

The Cristo, Talento, and Other Mines near Honda, United States of Colombia. E. & M. J., vol. 44, p. 146. ⅔ column.

The Gold Fields of the Porce River, Colombia. Min. & Sci. Press, vol. 74, p. 257. 3½ columns.

Gold Deposits of Colombia and Ecuador. By T. Waln-Morgan Draper. E. & M. J., vol. 58, p. 532. 1¾ columns.

Quartz Mining in Colombia. By F. F. Sharpless. E. & M. J., vol. 82, p. 485. 7 columns. I.

Gold in Colombia. By J. De La Pasada. E. & M. J., vol. 84, p. 827. 3½ columns. I.

Gold in the Guianas. By H. G. Granger. T. A. I. M. E., vol. 26, p. 516.

Gold Mining in French Guiana. By E. D. Levat. E. & M. J., vol. 65, pp. 39, 69. 2 columns.

Quartz and Placer Deposits in British Guiana. By C. E. Clark. E. & M. J., vol. 62, p. 29. 2⅔ columns.

The Gold Fields of Guiana. By H. Tweddle. E. & M. J., vol. 66, p. 97. 9½ columns. I.

Dutch Guiana Gold Fields. Min. & Sci. Press, vol. 83, p. 154. 1 column.

Gold Mining in French Guiana. By D. E. Headley. E. & M. J., Jan. 19, 1905, p. 131. 4¾ columns. I.

Future Gold Fields, Guiana. By C. E. Clarke. E. & M. J., vol. 62, p. 439. 3 columns.

The Gold Industry of British Guiana. By D. E. Headley. E. & M. J., vol. 62, p. 176. 3⅔ columns.

The Gold Deposits of Misiones, Venezuelan Guiana. By M. N. Paquet. Min. Mag., Jan., 1905, p. 87. 1 column.

Gold in Dutch Guiana. E. & M. J., Mar. 2, 1905, p. 416. Note.

Gold Mining in British Guiana. By J. H. Powell. T. I. M. & M., vol. 8, p. 354.

British Guiana Gold-Fields. By E. P. Wood. T. F. I. M. E., vol. 8, p. 195. 6 pages.

Notes on the Gold District of Canutillo, Chile, South America. By S. H. Loram. T. A. I. M. E., vol. 35, p. 696. 14 pages. I.

Gold Mining at Wei-Hai-Wei, China. By W. D. Verschoyle. E. & M. J., vol. 82, p. 919. 8¾ columns. I.

The Gold Deposits of Manchuria. E. & M. J., vol. 64, p. 455. 2⅔ columns. I.

Silver and Gold Mining in China. E. & M. J., vol. 46, p. 194. 1 column.

GOLD MINES NEAR PORT ARTHUR, CHINA. E. & M. J., vol. 73, p. 306. ⅗ column.

GOLD IN CHINA AND JAPAN. Min. & Sci. Press, vol. 18, p. 200. 1 column.

NOTES ON THE GEOLOGY OF THE ASPEN DISTRICT. By W. E. Newberry. T. A. I. M. E., vol. 18, p. 273.

NOTES ON THE GEOLOGY AND ON SOME OF THE MINES OF ASPEN MOUNTAIN, PITKIN COUNTY, COLORADO. By C. Heinrich. T. A. I. M. E., vol. 17, p. 156.

THE WHALE LODE OF PARK COUNTY, COLORADO TERRITORY. By J. L. Jernegan. T. A. I. M. E., vol. 3, p. 352.

NOTES ON THE GEOLOGY AND MINERALOGY OF SAN JUAN COUNTY, COLORADO. By T. B. Comstock. T. A. I. M. E., vol. 11, p. 165.

ASPEN MOUNTAIN: Its Ores and their Mode of Occurrence. By D. W. Brunton. E. & M. J., vol. 46, p. 22, 3 columns, I.; p. 42, 8 columns, I.

THE GEOLOGY OF COLORADO: Its Relation to the Ore-Deposits, and Descriptions of Formations in which the Ores are Found. By A. Lakes. M. & M., vol. 18, p. 55. 5 columns.

REPORT ON THE ECONOMIC GEOLOGY OF THE SILVERTON QUADRANGLE, COLORADO. By F. L. Ransome. U. S. G. S., Bull. No. 182, 1901, p. 265.

THE ORE DEPOSITS OF THE RICO MOUNTAINS, COLORADO. U. S. G. S., 22d Ann. Rept., 1902, pp. 229–398.

THE SO-CALLED DYKES OF SUGAR LOAF AND GOLD HILL MINING DISTRICTS, BOULDER COUNTY, COLORADO. By G. H. Stone. M. & M., vol. 25, p. 622. 1¼ columns.

GEOLOGY OF THE BROKEN HILL LODE. By F. S. Mance. E. & M. J., vol. 78, p. 868. 3½ columns. I.

GUNNISON DISTRICT, COLORADO: Its Geology. E. & M. J., vol. 30, p. 56. 1 column.

SOME MINES OF ROSITA AND SILVER CLIFF, COLORADO. By S. F. Emmons. T. A. I. M. E., vol. 26, p. 773.

SOUTH PARK, COLORADO: A Description of Its Geology and Economic Resources in Gold, Silver, Lead, Coal and Oil. By A. Lakes. M. & M., Sept., 1902, p. 78. 3½ columns.

THE SILVER LAKE MINE NEAR SILVERTON, SAN JUAN COUNTY, COLORADO. By A. Lakes. M. & M., Apr., 1903, p. 389. 5 columns.

BATTLE MOUNTAIN MINING DISTRICT, EAGLE COUNTY, COLORADO. By E. E. Olcott. E. & M. J., vol. 43, p. 418, 1 column, I.; and p. 436, 1¼ columns, I.

THE SILVER PICK MINE, WILSON, COLORADO. By M. B. Spaulding. Sch. Mines Quart., vol. 20, p. 41. 8 pages.

THE AMERICAN NETTIE: A Mine Furnishing an Illustration of the Peculiar Cave Deposits and the Method of Mining Them near Ouray, Colorado. By A. Lakes. M. & M., vol. 21, p. 241. 8 columns. I.

CRIPPLE CREEK: Description of Volcanic Formation, and the Present Condition of the World's Greatest Gold Mining Camp. By A. Lakes. M. & M., vol. 21, p. 277. 6½ columns. I.

SALADIA, COLORADO. E. & M. J., vol. 48, p. 545. 2 columns. I.

RECENT GEOLOGICAL PHENOMENA IN THE TELLURIDE QUADRANGLE OF THE UNITED STATES GEOLOGICAL SURVEY IN COLORADO. By H. C. Lay. T. A. I. M. E., vol. 31, p. 558.

SUMMIT DISTRICT GOLD REGION. By A. Lakes. Coll. Engr. & Met. Miner, vol. 17, p. 164. 3 columns. I.

TWIN LAKES REGION: A Rich Placer and Gold Mining District of Colorado which has been but Little Developed. By J. J. Guentherodt. Coll. Engr. & Met. Miner, vol. 17, p. 201. 2 columns. I.

CRESTONE MINING DISTRICT IN SAN LUIS PARK, COLORADO. By A.

Lakes. M. & M., May, 1902, p. 467. 2¼ columns.

Peculiar Mines and Ore Deposits of the Rosita and Silver Cliff Mining District of Colorado. By A. Lakes. M. & M., June, 1903, p. 487. 6 columns.

Creede Mining Camp. By A. Lakes. M. & M., May, 1903, p. 433.

The Jimtown Mining District and Golden Age Mine. By A. Lakes. M. & M., May, 1904, p. 505. 4½ columns. I.

The Florissant Basin. By A. Lakes. M. & M., vol. 20, p. 179. 3 columns.

The Ore Deposits of Creede, Colorado. By T. R. MacMechen. E. & M. J., vol. 53, p. 301, 4¾ columns, I.; p. 325, 3 columns, I.

Description of Raven Hill, Cripple Creek, and Its Ore Deposits. By A. Lakes. M. & M., vol. 20, p. 154. 2⅓ columns. I.

Ouray, Colorado. E. & M. J., vol. 30, p. 22, 2 columns; p. 38, 1½ columns; p. 72, ¾ column.

The Sulphide-Deposit of South Iron Hill, Leadville, Colorado. By F. T. Freeland. T. A. I. M. E., vol. 14, p. 181.

The La Plata Mountains: Where They Are, What They Look Like, and Their Possibilities as a Mining Region. By A. Lakes. M. & M., vol. 18, p. 74. 7 pages. I.

Hahns Peak Mining Region. By M. Draper. Coll. Engr. & Met. Miner, vol. 17, p. 437. 2 columns. I.

The Sunnyside Mines of San Juan. M. & M., Sept., 1903, p. 91. 1½ columns.

Cripple Creek. By A. Lakes. Coll. Engr. & Met. Miner, vol. 14, p. 230. 7⅔ columns. I.

The Gold Prince Mine and Mill, Animas Forks, Colorado. By G. P. Scholl and R. L. Herrick. M. & M., vol. 27, p. 337. 17 columns. I.

The Old Hundred Mine and Mill, Howardsville, Colorado. M. & M., vol. 27, p. 390. 10 columns. I.

Features of the Occurrence of Ore at Red Mountain, Ouray County, Colorado. By T. E. Schwarz. T. A. I. M. E., vol. 36, p. 31. 9 pages. I.

A Colorado Comparison between Cripple Creek and the Comstock. Min. & Sci. Press, vol. 73, p. 500. 2½ columns.

Mines of Rico, Dolores County, Colorado. Min. & Sci. Press, vol. 81, p. 341. 3 columns. I.

San Juan Silver and Gold Mines. E. & M. J., vol. 32, p. 200, 1 column; p. 389, 1½ columns; vol. 27, p. 239, 1 column; p. 261, ⅔ column; vol. 26, p. 115, 1 column; p. 382, 1 column; p. 404, 1½ columns; vol. 25, p. 310, 1⅔ columns; p. 411, 1½ columns.

The Mines of Cripple Creek. E. & M. J., vol. 53, p. 567. 4 columns. I.

The Ore Deposits of Newman Hill, Rico, Colorado. E. & M. J., vol. 54, p. 174. 4 columns. I.

The Geology of the Aspen, Colorado, Ore-Deposits. By L. D. Siver. E. & M. J., vol. 45, p. 195, 2 columns, I.; p. 212, 1½ columns; p. 339, 1⅔ columns.

The Mines on Battle Mountain, Eagle County, Colorado. E. & M. J., vol. 53, p. 545. 2 columns. I.

The Mines of Cripple Creek, Colorado. By W. Lindgren and F. L. Ransome. Min. & Sci. Press, vol. 90, p. 88. 2½ columns. I.

The Gold-Mines of Boulder County, Colorado. By F. Owen. T. I. M. E., vol. 19, p. 321. 16 pages. I.

The Cripple Creek Gold Field. By T. A. Rickard. T. I. M. & M., vol. 8, p. 49.

Pine Creek District, Colorado. Min. & Sci. Press, vol. 73, p. 173. 2 columns.

The Distribution of San Juan County Ores. By T. B. Comstock. E. & M. J., vol. 39, p. 38. 1½ columns.

Some Veins of Gunnison County, Colorado. E. & M. J., vol. 63, p. 597. 1¼ columns.

Silver Cliff. By F. L. Vinton. E. & M. J., vol. 27, p. 57. 2 columns. I.

San Juan Silver Mines, Colorado. E. & M. J., vol. 31, pp. 22, 40, 92.

Across the San Juan Mountains. By T. A. Rickard. E. & M. J., vol. 76, p. 7, 5 columns, I.; p. 45, 4½ columns, I.; p. 82, 7 columns, I.; p. 118, 6 columns, I.; p. 154, 5 columns, I.; p. 230, 2⅔ columns, I.; p. 269, 4 columns, I.; p. 307, 3½ columns, I.; p. 346, 3 columns, I.; p. 385, 6½ columns, I.; p. 423, 4⅔ columns, I.; p. 461, 7 columns, I.

Possible Economies in Mining in the San Juan Country. E. & M. J., vol. 36, p. 394. 3 columns.

The Caribou Silver Mines, Colorado. E. & M. J., vol. 24, p. 105. 5 columns. I.

Cripple Creek, Colorado. By E. Skewes. E. & M. J., vol. 59, p. 103, 3 columns, I.; and p. 151, 3 columns, I.

Cripple Creek: Its Geology. By A. Lakes. M. & M., vol. 21, p. 276. 8½ columns. I.

Mining Geology of Cripple Creek, Colorado. Min. & Sci. Press, vol. 73, p. 237. 1 column.

Mining Geology of the Cripple Creek District, Colorado. By R. A. F. Penrose. U. S. G. S., 17th Ann. Rept., 1895, pp. 111–209.

Preliminary Report on the Mining Industry of the Telluride Quadrangle, Colorado. By C. W. Purington. U. S. G. S., 18th Ann. Rept., 1898, pp. 745–850.

The Little Annie Mine, Summit, Rio Grande County, Colorado. E. & M. J., vol. 25, p. 57, 2 columns; and p. 77, 2 columns.

Kokoma, Ten Mile District, Colorado. E. & M. J., vol. 31, p. 430. 1 column.

The Leadville Gold Belt. By A. A. Blow. E. & M. J., vol. 59, p. 77. 1⅞ columns. I.

San Miguel Mines, Colorado. E. & M. J., vol. 30, p. 185. 1½ columns.

The Yankee Girl Ore Belt in Colorado. By W. Weston. E. & M. J., vol. 52, p. 162. 2½ columns. I.

The Mines of Marshall Basin, Colorado. E. & M. J., vol. 51, p. 717. 1 column. I.

Red Mountain, Colorado, Silver Mines. By W. Weston. E. & M. J., vol. 51, p. 348. 2½ columns. I.

The Bottom Levels at Cripple Creek. By G. J. Bancroft. E. & M. J., vol. 76, p. 86. 4 columns.

Farncomb Hill Gold Deposits. By A. Lakes. M. & M., vol. 21, p. 222. 1½ columns.

The American Nettie Mine, near Ouray, Colorado. By A. Lakes. M. & M., vol. 21, p. 241. 8 columns. I.

Boulder Region, Colorado. By A. Lakes. M. & M., vol. 19, p. 252. 2 columns.

Mines of the La Plata Mountains, Colorado. By R. W. Petre. E. & M. J., vol. 66, p. 667. 2 columns.

The Victor Mine, Cripple Creek, Colorado. By H. J. Elder. E. & M. J., vol. 56, p. 193. 1½ columns. I.

The Gold Belt of Pitkin County, Colorado. By J. R. Holibaugh. E. & M. J., vol. 62, p. 559. 1 column.

Silver Cliff District: Some Peculiar Formations and Remarkable Silver Mines in the State of Colorado. By

A. Lakes. M. & M., vol. 18, p. 296. 3¼ columns. I.

The San Juan Region: A Description of a Rich Mining Field and Its Development. By A. Lakes. Coll. Engr. & Met. Miner, vol. 17, p. 206. 7 columns. I.

Rico Mining District: A Sketch of the Formation and Peculiar Mode of Occurrence of the Ores of the Region. By A. Lakes. Coll. Engr. & Met. Miner, vol. 17, p. 359. 4 columns. I.

The Cripple-Creek Region: Epitome of the United States Geological Survey's Report on the Cripple Creek Mining Region. By A. Lakes. Coll. Engr. & Met. Miner, vol. 17, p. 105. 10 columns. I.

Peculiar Formations in the San Juan Region: The Rocks to which nearly all the Mines and Veins are Confined. By A. Lakes. Coll. Engr. & Met. Miner, vol. 17, p. 350. 4¼ columns. I.

The La Plata Mountains of Colorado: Telluride Veins and the Mancos Contact. By A. Lakes. M. & M., vol. 20, p. 279. 3¾ columns. I.

Notes on the Geology and on Some of the Mines of Aspen Mountain, Pitkin County, Colorado. By C. Heinrich. T. A. I. M. E., vol. 17, p. 156. 50 pages. I.

Sketch of a Portion of the Gunnison Gold-Belt, Including the Vulcan and Mammoth Chimney Mines. By A. Lakes. T. A. I. M. E., vol. 26, p. 440.

Mines of Ouray, Colorado. Min. & Sci. Press, vol. 79, p. 545. 3 columns. I.

Mining Operations at Telluride, Colorado. Min. & Sci. Press, vol. 79, p. 574. 1⅔ columns.

The Silver Mines of Colorado. Am. Jour. Min., vol. 2, p. 298, 1 column; and p. 314, 1½ columns.

Gold Veins of Silver Mountains, Ophir, San Miguel County, Colorado. E. & M. J., vol. 38, p. 330. ½ column.

The Cripple Creek District. By J. W. Finch. Min. Mag., vol. 11, p. 414. 18 columns. I.

The Liberty Bell Gold-Mine, Telluride, Colorado. By A. Winslow. T. A. I. M. E., vol. 29, p. 285. 14 pages.

The Smuggler-Union Mines, Telluride, Colorado. By J. A. Porter. T. A. I. M. E., vol. 26, p. 449. 12 pages. I.

The Cripple Creek Gold Field. By T. A. Rickard. Min. & Sci. Press, vol. 72, p. 284. 6 columns. I.

The Mines of Cripple Creek, Colorado. Min. & Sci. Press, vol. 90, p. 36, 3½ columns; p. 57, 3 columns, I.; p. 70, 3 columns; p. 88, 2½ columns, I.

The Stanley Consolidated Mine, Colorado. By A. Lakes. Coll. Engr. & Met. Miner, vol. 14, p. 282, 8 columns, I.; and p. 308, 3½ columns, I.

The Camp Bird Mine, Ouray, Colorado, and the Mining and Milling of the Ore. By C. W. Purington, T. H. Woods, and G. D. Doveton. T. A. I. M. E., vol. 33, p. 499. I.

The Camp Bird Gold Mine and Mills. By H. A. Titcomb. Sch. Mines Quart., vol. 24, p. 56. 7 pages. I.

Gold Mine and Tunnel: The Crown Point Mine and Knickerbocker Tunnel, Idaho Springs. By A. Lakes. Coll. Engr. & Met. Miner, vol. 17, p. 142. 6 columns. I.

The Lamartine Mine at Idaho Springs, Colorado. By A. Lakes. M. & M., vol. 20, p. 385. 5½ columns. I.

Silver Mines and Mining, Clear Creek County, Colorado. By F. L. Vinton. E. & M. J., vol. 27, p. 73. 3½ columns. I.

Topeka Gold Mine at Central City, Colorado. By A. Lakes. M. & M., vol. 20, p. 82. 4⅙ columns. I.

The Sylvanite Mine, Colorado. E. & M. J., vol. 46, p. 499. 2 columns. I.

The Virginius Mine. E. & M. J., vol. 76, p. 268. 2 columns.

The Montezuma Mining District, Colorado. By E. A. Ritter. M. & M., vol. 28, p. 501. 7 columns. I.

Cripple Creek Rejuvenated. By R. L. Herrick. M. & M., vol. 28, p. 478. 7 columns.

The Relative Distribution of Gold and Silver Values in the Ores of Gilpin County, Colorado. By G. E. Collins. T. I. M. & M., vol. 12, p. 480. 20 pages. I.

On the Peculiar Features of the Bassick Mine. By L. R. Grabill. T. A. I. M. E., vol. 11, p. 110.

The Yankee Girl Orebody. By T. E. Schwarz. E. & M. J., vol. 79, p. 800. 5⅓ columns. I.

The Occurrence of Gold in the Ores of the Cripple Creek District. By R. Pearce. E. & M. J., vol. 57, p. 271. 1¼ columns.

Cripple Creek Phonolite Dikes, Raven Hill. By E. Skewes. E. & M. J., vol. 59, p. 583. 2 columns.

The Ore-Shoots of Cripple Creek. By E. Skewes. T. A. I. M. E., vol. 26, p. 553.

Some Mines of Rosita and Silver Cliff, Colorado. By S. F. Emmons. T. A. I. M. E., vol. 26, p. 773.

The Whopper Lode, Gunnison County, Colorado. By P. Frazer. T. A. I. M. E., vol. 9, p. 249.

Ore-Deposits of Red Mountain, Ouray County, Colorado. By T. E. Schwarz. T. A. I. M. E., vol. 18, p. 139.

The Bedded Ore-Deposits of Red Mountain Mining District, Ouray County, Colorado. By G. E. Kedzie. T. A. I. M. E., vol. 16, p. 570.

Interesting Vein-Phenomena in Boulder County, Colorado. By J. B. Farish. T. A. I. M. E., vol. 19, p. 547.

Ore-Chutes, Iron Hill, Colorado. T. A. I. M. E., vol. 18, p. 156.

Secondary Enrichment at Cripple Creek. E. & M. J., vol. 75, p. 111, 3½ columns; p. 553, 2 columns, I.; p. 554, 2 columns, I.; and p. 702, 1¼ columns.

The Enterprise Mine, Rico, Colorado. By T. A. Rickard. T. A. I. M. E., vol. 26, p. 906.

"Cap" and "Blanket" Deposits, Gilpin County, Colorado. T. A. I. M. E., vol. 28, pp. 122 and 123.

A Peculiar Clastic Dike near Ouray, Colorado, and its Associated Deposit of Silver Ore. By F. L. Ransome. T. A. I. M. E., vol. 30, p. 227.

The Telluride-Ores of Cripple Creek and Kalgoorlie. By T. A. Rickard. T. A. I. M. E., vol. 30, p. 708.

The Buckhorn Mine. By A. Lakes. M. & M., Feb., 1902, p. 322. 2¾ columns.

Redcliff Ore Deposits. By A. Lakes. M. & M., Jan., 1903, p. 252. 2 columns.

The Lodes of Cripple Creek. By T. A. Rickard. T. A. I. M. E., vol. 33, p. 578.

Basaltic Zones as Guides to Ore-Deposits in the Cripple Creek District. By E. A. Stevens. T. A. I. M. E., vol. 33, p. 686.

Rosita and Silver Cliff: The Strange Manner of Occurrence of the Ore Bodies in the Bull Domingo and Bassick Mines. By A. Lakes. M. & M., vol. 18, p. 344, 5¾ columns, I.; and p. 368, 1¾ columns.

Ore-Shoots of Cripple Creek: Their Appearance, Nature and Shape, and How they Differ from Veins. By A. Lakes. Coll. Engr. & Met. Miner, vol. 17, p. 481. 4 columns. I.

The Veins of Boulder County, Colorado. By R. M. Bagg. E. & M. J., vol. 75, p. 334. 1½ columns.

The Geology and Vein-Structure of Southwestern Colorado. By

T. B. Comstock. T. A. I. M. E., vol. 15, p. 218.
E. & M. J., vol. 75, p. 589. ⅜ column.

NOTES ON THE VEIN-FORMATION AND MINING OF GILPIN COUNTY, COLORADO. By F. Rickard. T. A. I. M. E., vol. 28, p. 108.

PECULIAR MINES AND ORE-DEPOSITS: The Contact Deposits of the La Plata Mountains. By A. Lakes. M. & M., vol. 21, p. 224. 3 columns. I.

THE OCCURRENCE AND TREATMENT OF CERTAIN GOLD-ORES OF PARK COUNTY, COLORADO. By B. Stadtler. T. A. I. M. E., vol. 26, p. 848. 4½ pages. I.

THE LAMARTINE MINE, IDAHO SPRINGS, COLORADO: Gold and Silver Discovery, etc. By A. Lakes. M. & M., vol. 20, p. 384. 5½ columns. I.

THE GOLD COIN MINE. By A. Lakes. M. & M., vol. 21, p. 291. 4⅔ columns. I.

THE MINES OF CUSTER COUNTY, COLORADO. U. S. G. S., 17th Ann. Rept., pt. 2, pp. 411–472. 1896.

DOWNTOWN DISTRICT OF LEADVILLE, COLORADO. By S. F. Emmons and J. D. Irving. U. S. G. S., Bull. No. 320. 72 pages. 1907.

THE NEGLECTED MINE AND NEAR-BY PROPERTIES, COLORADO. By W. H. Emmons. U. S. G. S., Bull. No. 260, pp. 121–127. 1905.

THE HAHNS PEAK GOLD FIELD. By H. S. Gale. U. S. G. S., Bull. No. 285, pp. 28–34. 1906.

ORE DEPOSITS OF BEAR CREEK, NEAR SILVERTON, COLORADO. U. S. G. S., Bull. No. 285, pp. 25–27. 1906.

ORE DEPOSITS OF THE OURAY DISTRICT, COLORADO. U. S. G. S., Bull. No. 260, pp. 50–77. 1905.

ORE DEPOSITS IN THE VICINITY OF LAKE CITY, COLORADO. U. S. G. S., Bull. No. 260, pp. 78–84. 1905.

PRELIMINARY REPORT ON THE ORE DEPOSITS OF THE GEORGETOWN MINING DISTRICT, COLORADO. By J. E. Spurr and G. H. Garrey. U. S. G. S., Bull. No. 260, pp. 99–120. 1905.

THE ORE DEPOSITS OF THE RICO MOUNTAINS, COLORADO. U. S. G. S., 22d Ann. Rept., pt. 2, pp. 229–398. 1902.

PRELIMINARY REPORT ON THE MINING INDUSTRIES OF THE TELLURIDE QUADRANGLE, COLORADO. By C. W. Purington. U. S. G. S., 18th Ann. Rept., pt. 3, pp. 745–850. 1898.

REPORT ON THE ECONOMIC GEOLOGY OF THE SILVERTON QUADRANGLE, COLORADO. By F. L. Ransome. U. S. G. S., Bull. No. 182. 265 pages. 1901.

GEOLOGY OF THE RICO MOUNTAINS, COLORADO. By Whitman Cross and A. C. Spencer. U. S. G. S., 21st Ann. Rept., pt. 2, pp. 15–165. 1900.

GEOLOGY AND MINING INDUSTRY OF LEADVILLE, COLORADO; WITH ATLAS. By S. F. Emmons. U. S. G. S., Monograph XII. 870 pages. 1886.

GENERAL GEOLOGY OF THE CRIPPLE CREEK DISTRICT, COLORADO. By Whitman Cross. U. S. G. S., 16th Ann. Rept., pt. 2, pp. 13–109. 1895.

GEOLOGY OF THE ASPEN MINING DISTRICT, COLORADO; WITH ATLAS. U. S. G. S., Monograph XXX. 260 pages. 1898.

THE GEOLOGICAL RESURVEY OF THE CRIPPLE CREEK DISTRICT. By Waldemar Lindgren and F. L. Ransome. U. S. G. S., Bull. No. 254. 36 pages. 1905.

GEOLOGY AND GOLD DEPOSITS OF THE CRIPPLE CREEK DISTRICT, COLORADO. U. S. G. S., Professional Paper No. 54. 516 pages. 1906.

ECONOMIC GEOLOGY OF THE GEORGETOWN QUADRANGLE (together with the Empire District), COLORADO. WITH GENERAL GEOLOGY BY S. H, BALL. U. S. G. S., Professional Paper No. 63.

Mining Geology of the Cripple Creek District, Colorado. By R. A. F. Penrose, Jr. U. S. G. S., 16th Ann. Rept., pt. 2, pp. 111–209. 1895.

The Gold and Silver Mines East of the Rocky Mountains. Am. Jour. Min., vol. 2, p. 386. 18 columns.

Colorado Silver. Am. Jour. Min., vol. 1, p. 186. ½ column.

Mineral Wealth of Colorado. Am. Jour. Min., vol. 1, p. 218. 1 column.

Cave Ore Deposits: Illustrations of Peculiar Deposits of Silver and Copper Ores in Caves at the Red Mountain Mines, Colorado. By A. Lakes. M. & M., vol. 21, p. 333. 3 columns. I.

The Playa de Oro Placers, Ecuador. E. & M. J., vol. 55, p. 25, 1 column; p. 30, 2 columns, I.

Gold Mining in Ecuador, South America. By A. F. Saabye. E. & M. J., vol. 58, p. 417. 1½ columns. I.

Notes on the Gold-Mines of Zaruma, Ecuador. By J. R. Finlay. T. A. I. M. E., vol. 30, p. 248.

Gold Mining in Ecuador. E. & M. J., vol. 73, p. 719. ⅞ column.

Gold Mining and Milling in Ecuador. By J. W. Mercer. E. & M. J., vol. 75, p. 233. 7 columns. I.

Gold Mining in Egypt. Min. & Sci. Press, vol. 91, p. 324. 5¾ columns. I.

Egyptian Gold Mines. E. & M. J., vol. 75, p. 557. 2 columns. I.

Gold Mining in Egypt. By C. J. Alford. T. I. M. & M., vol. 10, p. 2. 32 pages.

Gold Mining in Egypt: Facts in Regard to Ancient Mines which have been Rediscovered and are Again being Worked. By Chas. J. Alford. M. & M., July, 1904, p. 626.

Egyptian Gold Mining. E. & M. J., vol. 78, p. 784. 2 columns.

The Gold Mines of Egypt. By J. H. Curle. E. & M. J., Mar. 30, 1905, p. 620. 2½ columns.

Gold Mining in England. By E. Walker. E. & M. J., vol. 56, p. 667. ⅔ column.

The Hilderston Silver-Mine, near Linlithgow. By H. Aitken. T. F. I. M. E., vol. 6, p. 193. 6 pages.

History and Description of the Greenside Silver-Lead Mine, Patterdale, Great Britain. By W. H. Borlase. T. F. I. M. E., vol. 7, p. 645. 5 pages.

Gold Mining in Wales. By T. H. White. E. & M. J., vol. 49, p. 383. 1⅓ columns.

An Ancient Silver Mine, Wales. Min. & Sci. Press, vol. 19, p. 152. 1 column.

St. David's Gold Mine, North Wales. By L. H. L. Huddart. T. I. M. & M., vol. 14, p. 199. 23½ pages.

Gold in Great Britain. Whitney's Metallic Wealth of the U. S., p. 90. 2 pages.

The Occurrence of Gold in Great Britain and Ireland. By J. M. Maclaren. T. I. M. E., vol. 25, p. 435. 74 pages. I.

Bibliography of Gold in Great Britain and Ireland. T. I. M. E., vol. 25, p. 501.

Woodlark Island Gold-Fields British New Guiana. By C. R. Pinder. T. I. M. & M., vol. 10, p. 87. 6 pages.

Gold Mining in the Dutch East Indies. E. & M. J., vol. 75, p. 364. 3⅔ columns. I. Map.

Occurrence and Treatment of Gold Ore at Bidi, Sarawak, Borneo. By T. C. Scrutton. T. I. M. & M., vol. 15, p. 144. 40½ pages. I.

Gold Deposits at Sarawak, Borneo. T. I. M. & M., vol. 15, p. 148. 8 pages. I.

Coal and Gold in Sumatra. By L. Hundeshagen. E. & M. J., Mar. 23, 1905, p. 553. ½ column.

Gold in the Dutch East Indies. E. & M. J., vol. 63, p. 376. 2¼ columns.

The Occurrence of Gold in Upper Sarawak, Borneo. By J. S. Geikie. T. I. M. & M., vol. 15, p. 63. 25 pages. I.

Gold in Limestone in the Upper Sarawak, Borneo. T. I. M. & M., vol. 15, p. 67. 3 pages.

Gold in Shales in Upper Sarawak. T. I. M. & M., vol. 15, p. 72. 3 pages. I.

Gold in Clays in Upper Sarawak. T. I. M. & M., vol. 15, p. 76. Note.

The Occurrence and Mining of Gold in the Dutch East Indies. By S. J. Truscott. T. I. M. & M., vol. 10, p. 52. 38 pages.

Gold in France. Whitney's Metallic Wealth of the U. S., p. 95. 1 page.

Gold Mining Developments in Georgia. By W. Colvin. E. & M. J., vol. 71, p. 117. 3¾ columns. I.

Vein-Structure at the Reynolds Mine, Georgia. By G. E. Collins. T. I. M. & M., vol. 9, p. 365. 14 pages. I.

Vein-Structure at the Reynolds Mine, Georgia. By G. E. Collins. E. & M. J., vol. 72, p. 68. 3½ columns. I.

The Cartersville Mining District, Georgia. By W. M. Brewer. E. & M. J., vol. 63, p. 575. 1 column.

The Dahlonega Gold Mining District. By W. M. Brewer. E. & M. J., vol. 58, p. 559. 2 columns. I.

The Georgia Gold Belt. By F. M. Scofield. Min. & Sci. Press, vol. 86, p. 304. ¾ column.

The Gold Mining District of Dahlonega, Georgia. By J. B. Mackintosh. E. & M. J., vol. 27, p. 258, 1 column, I. Map; and p. 275, ¼ column.

Gold Mining in Georgia. By P. H. Mell. E. & M. J., vol. 26, p. 97, 1½ columns; p. 116, 1 column; p. 170, ¾ column; p. 206, 1 column; p. 243, 1 column; p. 296, ½ column; vol. 24, p. 258, 2½ columns, I.; p. 275, 1 column.

The Georgia Gold Fields. Min. & Sci. Press, vol. 28, p. 274. ¾ column.

Gold-Fields of the South: The Regions of Georgia and Alabama in which Gold Deposits are Found. By W. M. Brewer. Coll. Engr. & Met. Miner, vol. 17, p. 333. 5 columns. I.

Gold Mining in Georgia. By W. M. Brewer. E. & M. J., vol. 63, p. 200. 1⅓ columns.

New Gold Placers in Georgia. E. & M. J., vol. 78, p. 875. ½ column.

The Crown Mountain Gold Mine and Mill, Georgia. By H. V. Maxwell. E. & M. J., vol. 72, p. 355. 2 columns. I.

The Southern Gold Fields. E. & M. J., vol. 48, p. 495. ½ column.

The Gold-Regions of Georgia and Alabama. By W. M. Brewer. T. A. I. M. E., vol. 25, p. 569.

The Villa Rica Mining District, Georgia. By W. M. Brewer. E. & M. J., vol. 63, p. 483, 1 column; p. 665, ½ column.

The Gold Mining Industry in Georgia and Alabama. By W. M. Brewer. E. & M. J., vol. 61, p. 617. 2 columns. I.

Gold and Pyrite Deposits of the Dahlonega District, Georgia. By E. C. Eckel. U. S. G. S., Bull. No. 213, pp. 57–63. 1903.

Dahlonega District, Georgia: A Description of its Location and the Geology of the Gold and Pyrite Deposits as Shown in Some of the Mines Now Working. By E. C. Eckel. M. & M., June, 1903, p. 493. 4 columns.

Gold in Germany. Whitney's Metallic Wealth of the U. S., p. 92. 1 page.

The Silver Mines of Saxony. Am. Jour. Min., vol. 1, p. 258. ¾ column.

The Seven Devils Mining District, Idaho. By W. Beals, Jr. E. & M. J., vol. 69, p. 345. 3 columns. I.

The Seven Devils, Idaho. Min. & Sci. Press, vol. 83, p. 4. 2½ columns. I.

Buffalo Hump, Idaho: Facts about a Mining Region which is Attracting Great Attention and which Promises Well. By D. G. Doubleday. M. & M., vol. 21, p. 296. 5 columns. I.

Buffalo Hump, Idaho. By Don Maguire. M. & M., vol. 20, p. 129. 3 columns.

The Buffalo Hump Mining Camp, Idaho. By C. L. Whittle. E. & M. J., vol. 68, p. 215. 3 columns.

Buffalo Hump, Idaho. Min. & Sci. Press, vol. 82, p. 105. ¾ column.

The Bellevue Mining District of Idaho. By A. Lakes. M. & M., Jan., 1903, p. 271. 3½ columns.

The Mining Districts of the Idaho Basin and the Boise Ridge, Idaho. U. S. G. S., 18th Ann. Rept., pt. 3, pp. 625–736. 1898.

The Gold and Silver Veins of Silver City, De Lamar, and Other Mining Districts in Idaho. U. S. G. S., 20th Ann. Rept., pt. 3, pp. 75–256. 1900.

South Mountain, Idaho. By R. N. Bell. E. & M. J., vol. 83, p. 283. 4 columns. I.

The Hercules Mill, Idaho. By Scott Turner. Min. & Sci. Press, vol. 94, p. 568. 4¼ columns. D.

The Murray Gold Belt, Idaho. By T. L. Lammers. Min. & Sci. Press, vol. 94, p. 636. 2⅔ columns.

The Geology of Thunder Mountain and Central Idaho. By R. N. Bell. E. & M. J., vol. 73, p. 791. 5 columns.

The Priest Lake Mining District, Idaho. By W. M. Courtis. E. & M. J., vol. 82, p. 866. 1¾ columns.

Central Idaho Gold Field. By Don Maguire. M. & M., vol. 19, p. 289. 5½ columns. I.

Gold Mining at Gibbonsville, Idaho. By Don Maguire. M. & M., vol. 19, p. 277. 2 columns.

Mount Caribou Gold Deposits: A Description of the Teton Mountains Country of Idaho and the Formations of the Ores Found in Them. By A. Lakes. M. & M., vol. 19, p. 55. 2 columns. I.

The Deepest Mine in Idaho: The Ramshorn, at Bayhorse. By R. N. Bell. M. & M., vol. 21, p. 174. 4½ columns.

The Gold Belt of Idaho. E. & M. J., vol. 60, p. 172. 1¼ columns.

Wood River, Idaho, Silver-Lead Mines. By W. P. Blake. E. & M. J., vol. 44, p. 2. 1 column.

Silver City District, Idaho. E. & M. J., vol. 77, p. 885. 4 columns. I.

In Boise Basin, Idaho. E. & M. J., vol. 78, p. 297. 3½ columns. I.

Some Idaho Mining Districts: The Geological Characteristics of the State and a Description of the Mines of the Hailey Gold Belt and the De Lamar District. By A. Lakes. M. & M., Dec., 1901, p. 203. 7¾ columns.

The Atlanta Lode, Idaho. By J. B. Hastings. E. & M. J., vol. 59, p. 128. ⅔ column.

The Thunder Mountain Mining District, Idaho. By W. H. Hill. E. & M. J., vol. 73, p. 135. 2 columns. Map.

The Pearl District, Idaho. E. & M. J., vol. 77, p. 1042. 2¼ columns.

The Wood River District, Idaho. E. & M. J., vol. 77, p. 1006. 2 columns.

Notes from the Cœur d'Alene, Idaho. E. & M. J., vol. 77, p. 923. 5⅓ columns. I.

The Boise Basin in Idaho. By J. B. Hastings. E. & M. J., vol. 58, p. 56. 1½ columns. I.

Observations on Mining in Thunder Bay District. By P. MacKellar. T. F. C. M. I., vol. 1, p. 13. 3 pages.

Notes on Thunder Mountain, Idaho. E. & M. J., vol. 78, p. 392. 5 columns.

The Mining Districts of the Idaho Basin and the Boise Ridge, Idaho. U. S. G. S., 18th Ann. Rept., pp. 625–736, pt. 3. 1898.

Thunder Mountain and Mackay, Idaho. By R. N. Bell. Min. & Sci. Press, vol. 84, p. 62. 4 columns.

Thunder Mountain District: A Description of the Peculiarities of Geology and Situation of the Various Regions Comprised in the District. By Wm. E. L'Hame. M. & M., Dec., 1903.

Indiana Gold Mines. Min. & Sci. Press, vol. 27, p. 241. ⅔ column.

Gold in Indiana. First Ann. Rept. of the State Geologist, 1869, folio 190. Sixth Ann. Rept., 1875, E. T. Cox, State Geologist, folio 107. Seventh Ann. Rept., 1876, E. T. Cox, State Geologist, folio 178. Eighth, Ninth and Tenth Ann. Repts., 1879, E. T. Cox, State Geologist. Thirteenth Ann. Rept., 1883, J. Collett, State Geologist, folio 81.

An India Silver Field. E. & M. J., vol. 14, p. 241. 1½ columns.

Gold Mining in India. By A. M. Smith. E. & M. J., vol. 56, p. 81. ¾ column.

Gold in Upper Burmah. Min. & Sci. Press, vol. 25, p. 56. 1½ columns. I.

The Indian Gold-Fields. By A. G. Charleton. T. F. I. M. E., vol. 11, p. 345. 24 pages.

Notes on the New Dharwar Gold Field of India. By R. O. Ahlers. T. I. M. & M., vol. 14, p. 442. 15 pages. I.

The Auriferous Rocks of India, Western Australia and South Africa. By J. M. Maclaren. T. I. M. & M., vol. 16, p. 2. 26 pages.

Gold Mining in India. By A. M. Smith. T. I. M. & M., vols. 1 and 2, p. 313.
Min. Mag., vol. 11, p. 464. 2 columns.

The Mineral Wealth of K'uku, India. E. & M. J., vol. 50, p. 194. ⅔ column.

Gold in India. M. & M., vol. 27, p. 293. ½ column.

Notes upon Gold-Mining in Burma. By A. H. Bromly. T. F. I. M. E., vol. 12, p. 507. 7 pages.

The Occurrence of Gold in Great Britain and Ireland. By J. M. Maclaren. T. I. M. E., vol. 25, p. 435. 74 pages. I.

Bibliography of Gold in Great Britain and Ireland. T. I. M. E., vol. 25, p. 501.

Notes about the Etruscan Mines, Italy. By T. Haupt. E. & M. J., vol. 49, p. 224. ⅓ column.

Gold in China and Japan. Min. & Sci. Press, vol. 18, p. 200. 1 column.

Gold Mining in Japan. E. & M. J., vol. 80, p. 723. ⅔ column.

The Gold Mines of Sado, Japan. E. & M. J., vol. 55, p. 29. ⅔ column.

A Great Japanese Mining Company. E. & M. J., vol. 78, p. 142. 7 columns. I.

Japanese Gold. Min. & Sci. Press, vol. 32, p. 194. 1¾ columns.
T. A. I. M. E., vol. 5, p. 288.

Gold Mining in Japan. By A. R. Weigall. T. I. M. & M., vol. 15, p. 202. 25 pages. I.

Tests for Gold and Silver in Shales from Western Kansas. U. S. G. S., Bull. No. 202. 21 pages. 1902.

The Shales of Western Kansas. E. & M. J., vol. 73, p. 891. ¾ column.

Tests for Gold and Silver in Shales from Western Kansas. E. & M. J., vol. 74, p. 111. 4¾ columns.

Gold Mines in Korea. E. & M. J., vol. 72, p. 272. ½ column.

Gold Mining in Korea. By H. C. Perkins. E. & M. J., vol. 77, p. 554. 3½ columns. I.

Quartz Mining in Korea. Min. & Sci. Press, vol. 83, p. 182. 2½ columns. I.

Gold Mining in Korea. By J. H. Curle. E. & M. J., vol. 82, p. 296. 2 columns.

Auriferous Deposits of Tangkogae, Korea. By L. Bauer. T. I. M. E., vol. 29, p. 698. ¾ page.

Gold Mining in Korea. By S. J. Speak. T. I. M. & M., vol. 12, p. 237. 9 pages.

Notes on the Gold Veins near Great Falls, Maryland. U. S. G. S., Bull. No. 260, pp. 128–131. 1905.

Notes on the Gold-Deposits of Montgomery County, Maryland. By S. F. Emmons. T. A. I. M. E., vol. 18, p. 391.

The Newburyport Silver Mines. By R. H. Richards. T. A. I. M. E., vol. 3, p. 442.

The Sierra Mojada, Coahuila, Mexico, and Its Ore-Deposits. By J. W. Malcolmson. T. A. I. M. E., vol. 32, p. 100.

"Los Reyes" Gold Mines, Southern Mexico. By A. H. Smith. J. C. M. I., vol. 8, p. 272. 12 pages. I.

Some Silver-Bearing Veins of Mexico. By E. Halse. T. I. M. E., vol. 27, p. 169. 22 pages. I.

The Parral District, Mexico. By F. L. Garrison. Min. & Sci. Press, vol. 94, p. 373. 2⅓ columns. I.

The Mines of La Luz, Guanajuato, Mexico. By J. A. Church. E. & M. J., vol. 84, p. 105, 11⅔ columns; p. 153, 7½ columns.

The Dolores Mine, Chihuahua, Mexico. By J. B. Farish. E. & M. J., vol. 83, p. 849. 2¾ columns. I.

The Mines of Planchas de Plata. By F. J. H. Merrill. E. & M. J., vol. 82, p. 1111. 3⅔ columns. Map.

The Mines of the Altar District, Sonora, Mexico. By J. S. Alexander. E. & M. J., vol. 83, p. 653. 5½ columns. I. Map.

Mines of the Taviche District, Oaxaca, Mexico. By A. E. Place and H. L. Elton. E. & M. J., vol. 84, p. 625. 3¼ columns.

The Dolores Mines, Chihuahua, Mexico. E. & M. J., vol. 82, p. 733. 2½ columns.

The Pinguico Mine, Guanajuato, Mexico. By J. A. Church. E. & M. J., vol. 82, p. 959. 5¾ columns

Pachuca, Mexico. By H. E. West. Min. & Sci. Press, vol. 92, p. 345. 4¾ columns. I.

The Mines of Santa Eulalia, Mexico. By P. B. Aiken. Min. & Sci. Press, vol. 87, p. 402. 1½ columns.

Some Silver-Bearing Veins of Mexico. By E. Halse. T. I. M. E., vol. 18, p. 370, 14 pages, I.; vol. 21, p. 198, 16 pages; vol. 23, p. 243, 14 pages; vol. 24, p. 41, 20 pages.

The Malacote Silver and Gold Mines of Sultepec, Mexico. By E. Halse. E. & M. J., vol. 58, p. 220. 2¼ columns.

Notes on Some Gold-Bearing Veins of Zacatecas, Mexico. By E. Halse. E. & M. J., vol. 58, p. 78. 1½ columns.

Gold in Zacatecas, Mexico. By E. Halse. E. & M. J., vol. 58, p. 605. 2½ columns.

Notes on the Parral District, Chihuahua, Mexico. By H. Z. Osborne. Min. & Sci. Press, vol. 86, p. 394. 3 columns. I.

A Guanajuato, Mexico, Mining Enterprise. Min. & Sci. Press, vol. 18, p. 5. 2⅓ columns.

The Avino Mines: A Description of an Old Mexican Mine and the Good and Bad Points of Some of the Ancient Methods Still in Use. By A. Mathez. M. & M., vol. 18, p. 241. 5½ columns. I.

The Silver Mines of Colquechaca. By R. Peele, Jr. E. & M. J., vol. 57, p. 78, 2¼ columns; and p. 100, 2 columns.

The Avino Mine and Mill, Mexico. M. & M., vol. 20, p. 400. 2¾ columns. I.

The Mulatos Mine, Sonora, Mexico. Min. & Sci. Press, vol. 55, p. 34. 1 column.

San Juan Mine, Mexico. By F. D. Browning. Sch. Mines Quart., vol. 3, p. 264. 4 pages. I.

The Mineral District of Hidalgo del Parral, Mexico. By S. E. Gill. E. & M. J., vol. 63, p. 509. 1½ columns. I.

The Gold-Fields of Altar, Mexico. By W. G. Waring. E. & M. J., vol. 63, p. 257. 2½ columns. I.

The Topia District, Durango, Mexico. By F. B. Flower. E. & M. J., vol. 67, p. 650. 2 columns. I.

Notes on Mining in Oaxaca, Mexico. By M. Clark. E. & M. J., vol. 64, p. 35. 2 columns.

The Mining Camp at El Oro, Mexico. By R. S. Barrett. E. & M. J., vol. 68, p. 97. 2 columns.

The Cebollitas Camp, Chihuahua, Mexico. E. & M. J., vol. 68, p. 367. 1 column.

The Gold Zone of Copalquin Durango, Mexico. By F. B. Flower. E. & M. J., vol. 69, p. 225, 3 columns, I.; p. 557. 3 columns. I.

The Batopilas Mines, Mexico. E. & M. J., vol. 69, p. 437. 4 columns. I.

The Guanajuato Mining District. By C. Henrich. Min. Mag., July, 1904, p. 23. 16 columns. I.

The Guanajuato Mining District. By C. Henrich. Min. Mag., Aug., 1904, p. 101. 16 columns. I.

Certain Silver and Iron Mines in the States of Nuevo Leon and Coahuila, Mexico. By P. Frazer. T. A. I. M. E., vol. 12, p. 537.

Notes on the Mines and Minerals of Guanajuato, Mexico. By William P. Blake. T. A. I. M. E., vol. 32, p. 216.

The Mining District of Pachuca, Mexico. By E. Ordonez. T. A. I. M. E., vol. 32, p. 224.

Santa Eulalia Mines, Chihuahua, Mexico. By A. Lakes. M. & M., July, 1903, p. 529.

The Alamo District, Lower California, Mexico. By V. Wankowski. M. & M., June, 1901, p. 507. 1 column.

The Silver District of Tehuilotepec, State of Guerrero, Mexico. By E. Halse. E. & M. J., vol. 60, p. 197. 3 columns.

Taviche, Ocotlan, Oaxaca, Mexico. Min. & Sci. Press, vol. 81, p. 544. 3 columns. I.

Mining in Western Chihuahua. By W. S. Hutchinson. E. & M. J., vol. 81, p. 418. 5½ columns. I.

Geology of El Oro District, Mexico. Min. & Sci. Press, vol. 87, p. 273. 1 column.

The Mactezuma District, Mexico. By M. Clere. E. & M. J., vol. 79, p. 1007. 7 columns. I.

The Catorce Mining District. E. & M. J., vol. 48, p. 340, 5 columns; p. 388, 2⅙ columns; p. 476, 3 columns.

The Mines of Sierra Mojada, Mexico. By E. O. Fechet. E. & M. J., vol. 55, p. 151. 2½ columns.

The Mines of Sombrerete, Mexico. E. & M. J., vol. 54, p. 604. 1½ columns.

The Mining District of Tasco, Mexico. By R. E. Chism. E. & M. J., vol. 48, p. 27, 1½ columns; p. 51, 1⅔ columns.

The Mulatos Gold Mines, State of Sonora, Mexico. By L. Janin, Jr. E. & M. J., vol. 49, p. 131. 3½ columns. I.

The Ocampo District, Mexico. By A. R. Townsend. E. & M. J., vol. 77, p. 515. 5½ columns. Map.

The Rayon District, Chihuahua. By T. A. T. Brown. E. & M. J., vol. 80, p. 1205. ½ column. I.

Guanajuato. By J. W. Malcolmson. E. & M. J., vol. 80, p. 529. 2⅔ columns.

Mining in Mexico. E. & M. J., vol. 77, p. 21. 6 columns. I.

The Santa Eulalia District, Mexico. E. & M. J., vol. 76, p. 158, 7½ columns, I.; p. 350, 5½ columns, I.

Minas Nuevas, Parral, Mexico. By G. A. Burr. E. & M. J., vol. 75, p. 404, 6½ columns, I.; and p. 440, 2½ columns, I.

The Prieta Mine of Parral, Mexico. By L. M. Terry. E. & M. J., vol. 74, p. 738. 4 columns. I.

The Mining District of Parral, State of Chihuahua, Mexico. By G. A. Burr. E. & M. J., vol. 75, p. 216. 3 columns. I. Map.

Hidalgo del Parral, Chihuahua, Mexico. E. & M. J., vol. 72, p. 456. 2 columns. I.

La Descubridora Mine, Chihuahua, Mexico. E. & M. J., vol. 72, p. 698. 1 column. I.

The Rayas and Mellado Mines, Guanajuato, Mexico. E. & M. J., vol. 72, p. 714. 1½ columns.

The Mining District of Pachuca, Mexico. By I. E. Ordonez. E. & M. J., vol. 72, p. 719. 5 columns.

The Mining District of Guanajuato, Mexico. E. & M. J., vol. 73, p. 206. 11¼ columns. I.

Native Silver Ores and Their Treatment at Batopilas, Mexico. By T. H. Leggett. Sch. Mines Quart., vol. 6, p. 57. 12 pages.

The Gold-Mines of the San Pedro District, Cerro de San Pedro, State of San Luis Potosi, Mexico. By G. A. Laird. T. A. I. M. E., vol.35, p. 858. 20 pages. I.

The Gold Mines of Mexico. E. & M. J., vol. 55, p. 74. 1 column.

The Taviche Mining-District near Ocotlan, State of Oaxaca, Mexico. By H. M. Chance. T. A. I. M. E., vol. 35, p. 886. 6 pages.

Some Silver-Bearing Veins of Mexico. By E. Halse. T. I. M. E., vol. 18, p. 370, 14 pages, I.; vol. 21, p. 198, 16 pages; vol. 23, p. 243, 14 pages; vol. 24, p. 41, 20 pages.

Notes on the Espiritu Santo Mine at Cana: Its Drainage and Recovery. By E. R. Woakes. T. I. M. & M., vol. 3, p. 285.

A New Occurrence of Silver on Lake Superior. E. & M. J., vol. 50, p. 475. ⅓ column.

A Lake Superior Silver Mine, Michigan. Min. & Sci. Press, vol. 31, p. 98, ¾ column; p. 130, ¾ column.

Notes on the Michipicoton Gold-Belt. By C. H. Clarke. E. & M. J., vol. 76, p. 735. 3 columns.

Silver in Michigan. Min. & Sci. Press, vol. 26, p. 294. ⅔ column.

The Dead River Gold Range, Michigan. E. & M. J., vol. 52, p. 119. ⅓ column.

The New Michigan Gold Finds. E. & M. J., vol. 46, p. 238. 2½ columns. I.

The Great Gold Find in Michigan. E. & M. J., vol. 44, p. 40. 1 column.

Notes on the Michipicoton Gold Field. By A. B. Willmott. T. F. C. M. I., vol. 3, p. 100. 2 pages.

The Missouri Gold Deposits. Min. & Sci. Press, vol. 31, p. 338. ½ column.

Geology of the Marysville Mining District, Montana. By Joseph Barrell. U. S. G. S., Professional Paper No. 57. 1907.

Geology of the Little Belt Mountains, Montana, with Notes on the Mineral Deposits of the Neihart, Barker, Yogo, and Other Districts. By W. H. Weed. U. S. G. S., 20th Ann. Rept., pt. 3, pp. 271–461. 1900.

Geology and Ore Deposits of the Elkhorn Mining District, Jefferson County, Montana. By W. H. Weed and J. Barrell. U. S. G. S., 22d Ann. Rept., pt. 2, pp. 399–550. 1902.

Geology of the Castle Mountain Mining District, Montana. By W. H. Weed and L. V. Pirsson. U. S. G. S., Bull. No. 139. 164 pages. 1896.

Geology and Mining Resources of the Judith Mountains of Montana. By W. H. Weed and L. V. Pirsson. U. S. G. S., 18th Ann. Rept., pt. 3, pp. 446–616. 1898.

Notes on Butte, Montana. E. & M. J., vol. 74, p. 440. 3½ columns.

The Mines of Judith Basin, Montana. E. & M. J., vol. 78, p. 96. 2 columns. I.

The Silver Veins of Butte, Montana. E. & M. J., vol. 39, p. 261. 2⅓ columns. I.

Ore Deposits of the Little Rocky Mountains, Montana. By W. H. Weed. E. & M. J., vol. 61, p. 423. 2 columns.

The Basin and Bay State 'Mining Company, Montana. By H. M. Beadle. E. & M. J., vol. 59, p. 102. 1 column.

The Penobscot Mine and Mill, Montana. By H. M. Beadle. E. & M. J., vol. 56, p. 33. 1½ columns.

The Little Rockies Mining District, Montana. By C. H. Boynton. E. & M. J., vol. 81, p. 181. 2½ columns. I.

The Kendall Mines, Fergus County, Montana. Min. & Sci. Press, vol. 83, p. 15. ⅔ column.

The Rainbow Lode, Butte City, Montana. By W. P. Blake. T. A. I. M. E., vol. 16, p. 65.

The Association of Minerals in the Gangon Vein, Butte City, Montana. By R. Pearce. T. A. I. M. E., vol. 16, p. 62.

The Porphyry Dike Mines of Montana. By L. A. Sisley. E. & M. J., vol. 64, p. 399. 1¼ columns.

The Elkhorn Mining District, Montana. By W. H. Weed. M. & M., vol. 24, p. 178. 4½ columns. I.

The Ammon Mines, Fergus County, Montana. By H. C. Freeman. E. & M. J., vol. 59, p. 416. 1½ columns.

The Georgetown Mining District, Montana. By R. G. Brown. E. & M. J., vol. 58, p. 345. 2¼ columns. I.

Mineral Deposits of the Bitterroot Range and the Clearwater Mountains, Montana. U. S. G. S., Bull. No. 213, 1903, pp. 66–70.

The Alice Gold and Silver Mine, Montana. Min. & Sci. Press, vol. 55, p. 33, 4 columns, I.; p. 50, 2¾ columns.

Silver Mining and Milling at Butte, Montana. By W. P. Blake. T. A. I. M. E., vol. 16, p. 38.

Boulder Mining District, Montana. E. & M. J., vol. 60, p. 583. 1 column.

The Quartz Mines near Helena, Montana. E. & M. J., vol. 11, p. 289. 2¼ columns.

A Gold Excitement in Nebraska. By E. H. Barbour. E. & M. J., vol. 67, p. 408. ¾ column.

The Gold Region near Brigus, Newfoundland. By A. Murray. E. & M. J., vol. 31, p. 232. 1 column.

The Mineral Belt of the Mogollon Range. By C. Andersen. E. & M. J., vol. 64, p. 277. 2 columns.

The Mogollon Range: A Description of the Region near Cooney, New Mexico. By W. J. Weatherby. M. & M., Oct., 1901, p. 97.

The Ore-Deposits of the San Pedro District, New Mexico. By M. B. Yung and R. S. McCaffery. E. & M. J., vol. 75, p. 297. 6 columns. I.

ORE-DEPOSITS OF THE SAN PEDRO DISTRICT, NEW MEXICO. By M. B. Yung and R. S. McCaffery. T. A. I. M. E., vol. 33, p. 350.

THE APACHE AND BLACK RANGE DISTRICTS, NEW MEXICO. E. & M. J., vol. 60, p. 391. 1 column.

THE COONEY MINING DISTRICT, SOCORRO COUNTY, NEW MEXICO. By C. Andersen. E. & M. J., vol. 59, p. 343. 2¼ columns. I.

THE ORGAN MINING DISTRICT. By F. H. Lerchen. M. & M., vol. 24, p. 1. 5½ columns. I.

THE SILVER-MINES OF LAKE VALLEY, NEW MEXICO. By E. Clark. T. A. I. M. E., vol. 24, p. 138.

THE CARLISLE GOLD MINE AND MILL, NEW MEXICO. E. & M. J., vol. 45, p. 397. 2 columns.

THE COONEY DISTRICT, NEW MEXICO. By B. Graham. E. & M. J., vol. 82, p. 731. 4 columns. I.

GOLD MINING IN NOVA SCOTIA: A Review of Operations in the Various Localities. By J. Rutherford. J. M. Soc. N. S., vol. 3, p. 125. 16 pages.

GOLD-MINING IN NOVA SCOTIA. By F. H. Mason. T. F. I. M. E., vol. 10, p. 281. 7 pages.

THE NOVA SCOTIA GOLD MINES. By E. Gilpin. T. A. I. M. E., vol. 14, p. 674.

NOTES ON THE MINING OF LOW GRADE GOLD ORE IN NOVA SCOTIA. By C. F. Andrews. T. F. C. M. I., vol. 2, p. 5. 8 pages. I.

GOLD MINING IN NOVA SCOTIA FROM 1860 TO 1899. By A. R. C. Selwyn. J. C. M. I., vol. 2, p. 162. 3 pages.

ON THE GOLD MEASURES OF NOVA SCOTIA AND DEEP MINING. By E. R. Faribault. J. C. M. I., vol. 2, p. 119. 9 pages. I.

THE GOLD-MINES OF NOVA SCOTIA. T. F. I. M. E., vol. 7, p. 564. 2 pages.

GOLD MINES OF NOVA SCOTIA. Min. & Sci. Press, vol. 27, p. 74. 1 column.

IN NOVA SCOTIA. By T. A. Rickard. Min. & Sci. Press, vol. 91, p. 273, 2 columns; p. 290, 2 columns; p. 311, 3¼ columns, I.; p. 327, 3 columns, I. Map.

SILVER-LEAD DEPOSITS OF EUREKA, NEVADA. By J. S. Curtis. U. S. G. S., Monograph VII. 200 pages. 1884.

THE ORES OF GOLDFIELD, NEVADA. U. S. G. S., Bull. No. 260, pp. 132–139. 1905.

DEVELOPMENT AT TONOPAH DURING 1904. U. S. G. S., Bull. No. 260, pp. 140–149. 1905.

ORE DEPOSITS OF THE SILVER CREEK QUADRANGLE, NEVADA. U. S. G. S., Bull. No. 225, pp. 111–117. 1904.

ORE DEPOSITS OF TONOPAH AND NEIGHBORING DISTRICTS, NEVADA. U. S. G. S., Bull. No. 213, pp. 81–87. 1903.

PRELIMINARY REPORT ON THE ORE DEPOSITS OF TONOPAH. U. S. G. S., Bull. No. 225, pp. 89–110. 1904.

THE MINES OF THE FAIRVIEW DISTRICT, NEVADA. By E. R. Zalinski. E. & M. J., vol. 83, p. 699. 13½ columns. I.

GOLD AND SILVER AT FAIRVIEW, NEVADA. By C. T. Rice. E. & M. J., vol. 82, p. 729. 7 columns. I.

THE ORE DEPOSIT AT CONTACT, NEVADA. By C. W. Purington. E. & M. J., vol. 76, p. 426, 4¾ columns, I.; p. 612, 5 columns, I.

MINING AT DIAMONDFIELD, NEVADA. E. & M. J., vol. 82, p. 1017. 2¼ columns. I.

THE GEOLOGY AND PETROGRAPHY OF THE GOLDFIELD MINING-DISTRICT, NEVADA. By J. B. Hastings and C. P. Berkey. T.A.I.M.E., vol. 37, p. 140. 20 pages. I.

GEOLOGY OF PIOCHE, NEVADA, AND VICINITY. By F. J. Pack. Sch. Mines Quart., vol. 27, p. 285, 28 pages, I.; p. 365, 26 pages, I.

The Geology of Goldfield, Nevada. By F. L. Ransome. Min. & Sci. Press, vol. 94, p. 436. 5¼ columns. Map.

Geology of Mines (San Jose Mining Company's) Egan Canyon, Nevada. Min. & Sci. Press, vol. 39, p. 225. 3½ columns. I.

Notes on the Geology of the Half-Moon Mine, Pioche, Nevada. By E. Wiltsee. T. A. I. M. E., vol. 21, p. 867.

The Bonanzas of the Comstock. E. & M. J., vol. 42, p. 416, I.; pp. 434, 435, I.

Geology of the Comstock Lode and the Washoe District; with Atlas. By G. F. Becker. U. S. G. S., Monograph III. 422 pages. 1882.

Geology of the Eureka District, Nevada. By Arnold Hague. U. S. G. S., Monograph XX. 419 pages. 1892.

Geological Reconnaissance in Southwestern Nevada and Eastern California. By S. H. Ball. U. S. G. S., Bull. No. 285, pp. 53–73. 1906. Also Bulletin No. 308.

Notes on the Geology of the Goldfields District, Nevada. U. S. G. S., Bull. No. 225, pp. 118–129. 1904.

Geology of the Tonopah Mining District, Nevada. U. S. G. S., Professional Paper No. 42. 295 pages. 1905.

Nevada Silver Ore Deposits. Min. & Sci. Press, vol. 17, p. 402. 1¾ columns.

The Gold Belts of Nevada. E. & M. J., vol. 59, p. 532. 1⅞ columns.

Gold Mountain District, Nevada. Min. & Sci. Press, vol. 18, p. 62. 1½ columns.

The Mines of Esmeralda County, Nevada. By H. W. Turner. Min. & Sci. Press, vol. 82, p. 73. 3 columns.

The Santa Fé Mining District, Nevada. M. & M., Apr., 1901, p. 407. 1 column.

Wonder, Nevada. By W. F. Boericke. Min. & Sci. Press, vol. 93, p. 59. 1 column.

Ramsey, Nevada. Min. & Sci. Press, vol. 93, p. 327. 2½ columns.

Recent Developments at Wonder, Nevada. By E. R. Zalinski. E. & M. J., vol. 84, p. 357. 3½ columns. I.

Mining in the Wonder District, Nevada. By E. R. Zalinski. E. & M. J., vol. 83, p. 763. 6⅞ columns. I.

The Goldfield District, Nevada. By E. P. Jennings. J. C. M. I., vol. 8, p. 39. 7½ pages.

The Goldfields District, Nevada: The Results of the Investigations by J. E. Spurr of the United States Geological Survey. M. & M., Feb., 1905, p. 332. 3 columns.

The Goldfields District, Nevada. By J. E. Spurr. M. & M., vol. 25, p. 332. 2¾ columns.
E. & M. J., vol. 78, p. 581. 2 columns. I.

The District of Goldfield, Nevada. E. & M. J., vol. 78, p. 383. 5½ columns. I.

Goldfield, Nevada. By C. T. Rice. E. & M. J., vol. 82, p. 339. 10½ columns. I.

Goldfield, Nevada. Min. & Sci. Press, vol. 94, p. 721. 6 columns. I.

Bullfrog, Nevada. E. & M. J., vol. 80, p. 12. 2½ columns. I.

The Nevada Goldfields. E. & M. J., vol. 79, p. 1003. 1½ columns.

The Bullfrog Mining District, Nevada. By C. T. Rice. E. & M. J., vol. 82, p. 534. 8 columns. I.

A Visit to Ely, Nevada. By J. W. Abbott. Min. & Sci. Press, vol. 94, p. 759. 4½ columns. I.

Mining Conditions at Ely, Nevada. By E. W. Ralph. Min. & Sci. Press, vol. 94, p. 120. 4 columns. Sections.

Ely, Nevada. By A. H. Halloran. Min. & Sci. Press, vol. 93, p. 11. 3 columns.

Manhattan, Nevada. By A. H. Halloran. Min. & Sci. Press, vol. 92, p. 380. 4 columns. I.

Manhattan, Nevada. Min. & Sci. Press, vol. 92, p. 106. 2¾ columns. I.

The Manhattan Mining District, Nevada. By C. T. Rice. E. & M. J., vol. 82, p. 581. 10 columns. I.

Tonopah and Goldfield and Their Rapid Development. Min. & Sci. Press, Feb. 11, 1905, p. 84.

Tonopah Mining Camp: Some Notes on Its Location, the Geological Formations of the Region, and the Mines in Operation. By A. Lakes. M. & M., May, 1904, p. 479. 5¾ columns. I.

The Mines of Tonopah Lake, Nevada. E. & M. J., vol. 72, p. 787. 2 columns.

Notes on Tonopah, Nevada. By S. A. Easton. E. & M. J., vol. 73, p. 697. 1¾ columns.

Some Notes on Tonopah. E. & M. J., vol. 79, p. 1084. 4 columns. I.

Early History of Tonopah. E. & M. J., vol. 78, p. 135. 2¼ columns. I.

Observations on Tonopah and Goldfield. By S. C. Wiel. Min. & Sci. Press, vol. 89, p. 238. 3⅓ columns. I.

The New Gold Camps of Southern Nevada. Min. & Sci. Press, vol. 89, p. 361. 6⅔ columns. I.

Tonopah and Goldfield: Their Rapid Development. Min. & Sci. Press, vol. 90, p. 84. 3½ columns. I.

The Goldfield District, Nevada. Min. & Sci. Press, vol. 90, p. 150. 6¾ columns. I.

Mines of Tonopah. Min. & Sci. Press, vol. 90, p. 182. 3½ columns. I.

Tonopah, Nevada. Min. & Sci. Press, vol. 83, p. 192. 6⅔ columns. I.

The Geologic and Economic Aspects of Tonopah. Min. & Sci. Press, vol. 86, p. 20. 2 columns.

The Mines of Tonopah. Min. & Sci. Press, vol. 86, p. 279. 1 column.

Ore Deposits of Tonopah. Min. & Sci. Press, vol. 86, p. 338. 2 columns.

Tonopah District, Nevada. Min. & Sci. Press, vol. 88, p. 364. 1⅔ columns.

Tonopah. By S. A. Knapp. Min. & Sci. Press, vol. 82, p. 231. 1¼ columns. I.

Mining at Tonopah, Nevada. By C. T. Rice. E. & M. J., vol. 82, p. 156, 6 columns, I.; p. 199, 3 columns. I.

Tonopah, Nevada. By C. T. Rice. E. & M. J., vol. 82, p. 106. 7½ columns. I.

Tonopah, Nevada. Min. & Sci. Press, vol. 94, p. 690. 3½ columns. I.

The Eureka Lode of Eureka, Eastern Nevada. By W. S. Keyes. T. A. I. M. E., vol. 6, p. 344.

The Ore-Deposits of Eureka District, Eastern Nevada. By W. P. Blake. T. A. I. M. E., vol. 6, p. 554.

The Silver-Lead Mines of Eureka, Nevada. By W. R. Ingalls. E. & M. J., vol. 84, p. 1051. 16 columns. I.

The White Pine Mining District: Its Geographical Position, Elevation and Winter Climate. By Dr. De-Groot. Min. & Sci. Press, vol. 18, p. 18, 2⅔ columns; p. 100, 1⅞ columns.

White Pine Items: Immigration, etc. Min. & Sci. Press, vol. 18, p. 173.

Going to White Pine. Min. & Sci. Press, vol. 18, p. 184. 2 columns.

Vein Characteristics and Geology of White Pine. Min. & Sci. Press, vol. 18, p. 226. 2¼ columns.

Vein vs. Deposit: White Pine. Min. & Sci. Press, vol. 18, p. 249. ½ column.

Vein Systems of White Pine. Min. & Sci. Press, vol. 18, p. 290, 1½ columns; p. 308, 3½ columns.

Ore Deposits of Treasure Hill and White Pine Districts. Min. & Sci. Press, vol. 18, p. 312. 2 columns.

White Pine Mining Companies. Min. & Sci. Press, vol. 18, p. 221. 2½ columns.

De Lamar, Nevada, Mines. By J. W. Neill. Min. & Sci. Press, vol. 85, p. 282. 2 columns. I.

The De Lamar and the Horn-Silver Mines. By S. F. Emmons. T. A. I. M. E., vol. 31, p. 658.

The Silver King Mine. By W. P. Blake. E. & M. J., vol. 35, p. 238, 2 columns; p. 254, 4¼ columns, I.; p. 270, 2⅔ columns.

The Big Bonanza — Comstock Lode. Min. & Sci. Press, vol.. 31, p. 194, 4 columns; vol. 32, p. 22, ½ column; p. 145, ¾ column; p. 146, ¾ column; vol. 34, p. 118, ½ column.

A Day at the Comstock Lode. By J. A. Whitney. E. & M. J., vol. 12, p. 259. 1½ columns.

The Comstock Lode. Min. & Sci. Press, vol. 25, p. 248, 5½ columns, I.; p. 280, 3 columns, I.; p. 386, ⅔ column.

Deep Levels of the Comstock Lode. Min. & Sci. Press, vol. 76, p. 155. 2¾ columns.

The Gold-Silver Veins of Ophir, Comstock. Min. & Sci. Press, vol. 71, p. 216, 2½ columns; p. 233, 2½ columns.

The Consolidated Virginia Mine, Nevada. E. & M. J., vol. 20, p. 430. 2 columns.

Comstock Mining and Miners. By E. Lord. U. S. G. S., Monograph IV, 1883. 451 pages.

Moderizing the Comstock Lode. By L. M. Hall. Min. & Sci. Press, vol. 92, p. 183. 1½ columns. I.

Mining in Eastern Nicaragua: A Description of an Out-of-the-way Gold Region; Its People and Resources. By J. D. Lowry. M. & M., Feb., 1902, p. 320. 1½ columns.

Gold in Nicaragua. By C. T. Mixer. E. & M. J., vol. 66, p. 125. 4 columns. I.

The Segovia Gold Region of Nicaragua. By H. H. Miller. E. & M. J., vol. 64, p. 335. 2⅞ columns. I.

The New Gold Fields of the Mosquito Coast of Nicaragua, By C. De Kalb. E. & M. J., vol. 57. p. 294. 1⅓ columns.

Nicaragua's Gold Deposits. Coll. Engr. & Met. Miner, vol. 17, p. 159. 1½ columns.

A New Zealand Gold Mine. E. & M. J., vol. 63, p. 187. 2 columns. I.

The Geology of the Coromandel Gold-Fields, New Zealand. By J. M. Maclaren. T. I. M. E., vol. 19, p. 365. 12 pages. I.

Hysteromorphous Auriferous Deposits of the Tertiary and Cretaceous Periods in New Zealand. By H. A. Gordon. T. A. I. M. E., vol. 25, p. 292.

The Hauraki Goldfields, New Zealand. E. & M. J., vol. 79, p. 861. 5 columns.

The Hauraki Goldfields, New Zealand. By W. Lindgren. E. & M. J., Feb. 2, 1905, p. 218. 9½ columns. I.

The Gold-Fields of the Hauraki District, New Zealand. By J. A. Wauchope. T. F. I. M. E., vol. 14, p. 19. 28 pages.

The Gold-Fields of the Hauraki Peninsula, New Zealand. By J. Campbell. T. F. I. M. E., vol. 12, p. 462. 26 pages. I.

Gold-Mining in the Hauraki District, New Zealand. By H. M. Cadwell. T. F. I. M. E., vol. 10, p. 389. 28 pages. I.

Gold-Dredging in Otago, New Zealand. By F. W. Payne. T. I. M. E., vol. 23, p. 532. 11 pages. I.

Gold Washing and Dredging in New Zealand. E. & M. J., vol. 50, p. 510. 1 column.

Alluvial Workings in Otago, New Zealand. T. F. I. M. E., vol. 3, p. 657. I.

The Hauraki Gold Mining District, Auckland, New Zealand. By D. H. Bayldon. T. F. I. M. E., vol. 1, p. 223. 10 pages. I.

Dredging for Gold in New Zealand. By R. Payne. E. & M. J., vol. 72, p. 398. 3¼ columns. I.

The Discovery of Gold in New Zealand. E. & M. J., vol. 53, p. 131. ½ column.

Gold in Ohio. Geol. Repts. State of Ohio, vol. 1, folio 462.

Geol. Survey of Ohio, 1874, folios 70 and 71.

Reported Gold Deposits of the Wichita Mountains [Oklahoma]. By H. F. Bain. U. S. G. S., Bull. No. 225, pp. 120–122. 1904.

Elkhorn Mountain and Rock Creek District of the Blue Mountains, Oregon. By R. W. Barrell. E. & M. J., vol. 62, p. 128. 2 columns.

Silver Mud, Oregon. Min. & Sci. Press, vol. 34, p. 415, 1⅓ columns; p. 8, ¾ column; vol. 35, p. 73, ½ column.

Gold Mining in Eastern Oregon. By H. M. Beadle. E. & M. J., vol. 73, p. 136. ⅞ column.

Bohemia Mining District of Western Oregon. By J. P. Kimball. E. & M. J., vol. 73, p. 889. 6 columns. D. Map.

Eastern Oregon Gold Fields. Min. & Sci. Press, vol. 75, p. 192. 3 columns. I.

Gold Mining in Oregon: A Description of the Development of the Mines and the Peculiarities of the Ores and Veins. By R. W. Barrell. M. & M., vol. 19, p. 12. 7⅓ columns. I.

The Granite Hill Mines of Southern Oregon. Min. & Sci. Press, vol. 89, p. 309. 1⅔ columns. I.

Quartz Veins and Mines of Southern Oregon. By D. H. Stovall. Min. & Sci. Press, vol. 87, p. 391. 1 column.

The Bohemia Mining Region of Western Oregon, with Notes on the Blue River Mining Region. By J. S. Diller. U. S. G. S., 20th Ann. Rept., 1900, pt. 3, pp. 7–36.

The Gold Belt of the Blue Mountains of Oregon. U. S. G. S., 22d Ann. Rept., 1902, pt. 2, pp. 551–776.

Gold on the Isthmus of Panama. E. & M. J., vol. 34, p. 173. ½ column.

Modern Gold-Mining in the Darien: Notes on the Reopening of the Espiritu Santo Mine, Cana. By E. R. Woakes. T. A. I. M. E., vol. 29, p. 249.

Gold and Copper Mining in Peru. By E. Laroza. Min. Mag., Jan., 1905, p. 49. 20 columns. I.

The Salpo Mining District, Peru. E. & M. J., vol. 77, p. 407. 1¼ columns.

The Gold-Fields of Sandia, Peru. By H. Tweddle. E. & M. J., vol. 63, p. 449, 4 columns, I.; p. 479, 3½ columns, I.

The Cerro de Pasco Mines in Peru. E. & M. J., vol. 72, p. 138. ¾ column.

The Cerro de Pasco Mines, Peru. Min. & Sci. Press, vol. 37, p. 41. 4 columns.

The Cerro de Pasco Silver Mines and the Collo, Lima, and Oroya Railroad of Peru. E. & M. J., vol. 26, p. 435. 5½ columns. I.

The Cerro de Pasco Mining Industry. By O. F. Pfordte. T. A. I. M. E., vol. 24, p. 107.

The Auriferous Deposits of Sandia, Peru. T. I. M. E., vol. 30, p. 625. 2 pages.

Peru. By R. T. Mason. E. & M. J., vol. 79, p. 1091. 6½ columns. I.

The Peruvian Gold Regions. By F. Edmunds. E. & M. J., vol. 50, p. 71. 1 column.

Auriferous Deposits of Peru. E. & M. J., vol. 49, p. 706. ½ column.

Mining in Peru. E. & M. J., vol. 77, p. 167. 1 column.

Gold in the Philippines. By W. G. Irwin. E. & M. J., vol. 69, p. 585. 1¼ columns.

The Pigholugan and Pigtao Gold Regions, Island of Mindanao, Philippine Islands. By J. C. Nichols. E. & M. J., vol. 72, p. 599. 3 columns.

Notes on the Pigholugan and Pigtao Gold-Regions, Island of Mindanao, Philippine Islands. By J. C. Nichols. T. A. I. M. E., vol. 31, p. 611.

A Gold Deposit in the Philippines. By A. M. Howe. E. & M. J., vol. 72, p. 703. ¾ column.

Gold and Silver in the Philippines. E. & M. J., vol. 80, p. 769. ⅔ column.

Gold Mining in the Philippines. E. & M. J., vol. 82, p. 102. 1 column. I.

The Portuguese Manica Gold-Field. By A. R. Sawyer. T. I. M. E., vol. 19, p. 265, 14 pages, I.; vol. 25, p. 637, 6 pages, I.

The Gold and Platinum Industry of the Ural. E. & M. J., vol. 53, p. 430. 1 column.

Kerbi-River Gold-Bearing District, Eastern Siberia. By M. Ivanov. T. I. M. E., vol. 29, p. 701. 1 page.

Auriferous Region of the Lena, Siberia. By A. Gerasimov. T. I. M. E., vol. 29, p. 702. 2 pages.

Auriferous Deposits of the Yenisei Region, Siberia. T. I. M. E., vol. 29, p. 705. 1 page.

Gold in Siberia and the Trans-Siberian Railroad. By A. Zdziacki. E. & M. J., vol. 56, p. 398. 1½ columns. I.

The Gold-Deposits of Siberia. By A. Foniakoff. T. F. I. M. E., vol. 7, p. 445. 43 pages. I.

Gold Mining in Siberia. E. & M. J., vol. 78, p. 901, 2⅔ columns; p. 981, 2⅓ columns; M. & M., Aug., 1903, p. 37; p. 435, 2½ columns; p. 664, 1½ columns.

The Auriferous Deposits of Siberia. By René de Batz. T. A. I. M. E., vol. 28, p. 452.

Siberian Gold Mining: The Location and Extent of Some of the Gold Fields Discovered. Some of the Conditions which Retard Development. By G. E. Walsh. M. & M., vol. 26, p. 71. 2¼ columns.

Gold Mines in Siberia. By R. L. Dunn. Min. & Sci. Press, vol. 76, p. 589. 1 column; vol. 74, p. 280. 6 columns. I.

Siberian Gold Fields. Min. & Sci. Press, vol. 81, p. 254. 2 columns.

Gold Mining in Western Siberia. By L. Tovey. E. & M. J., vol. 82, p. 577. 12 columns. I.

Gold and Lead Mines in Southern Russia. By R. Helmhacker. E. & M. J., vol. 66, p. 548. 1 column.

The Hotchkar Gold-Mines, Ural Mountains, Russia. By H. B. C. Nitze and C. W. Purington. T. A. I. M. E., vol. 28, pp. 24, 844.

The Russian Gold Mining Industry. E. & M. J., vol. 57, p. 339. 2 columns.

A Visit to the Gold Fields of Orenburg, Russia. By F. H. Hatch. T. I. M. & M., vol. 16, p. 300. 10½ pages.

The Gold Mines of Galicia, Spain E. & M. J., vol. 63, p. 400. ½ column.

Gold in Spain. Whitney's Metallic Wealth of the U. S., p. 95. ½ page.

Ore-Deposits of the Black Hills of South Dakota. By F. R. Carpenter. T. A. I. M. E., vol. 17, p. 570. 28 pages. I.

Ore Deposits of the Northern Black Hills. Min. & Sci. Press, vol. 87, p. 166, 1 column; p. 187, 2½ columns; p. 205, 2⅓ columns; p. 221, 3 columns.

The Black Hills Ore Deposits. By J. D. Irving. Min. Mag., Sept., 1904, p. 206. 2 columns.

Gold Ores of the Black Hills, South Dakota. By H. M. Chance. E. & M. J., vol. 69, p. 227. ½ column.

Dakota Mines, Black Hills. Min. & Sci. Press, vol. 48, p. 237. 3 columns. I.

The Black Hills Mines, Dakota. E. & M. J., vol. 30, p. 57, 1 column; p. 107, 1¼ columns; p. 4, 1 column.

The Mines of the Black Hills in 1892. E. & M. J., vol. 55, p. 31. 2½ columns.

Dakota Mines and Their Enemies. E. & M. J., vol. 46, p. 212. 1½ columns.

Notes on the Northern Black Hills of South Dakota. By P. Frazer. T. A. I. M. E., vol. 27, p. 204.

The Bald Mountain District in the Black Hills. By J. Blatchford. M. & M., Mar., 1904, p. 394. 1½ columns.

Black Hills, South Dakota. E. & M. J., vol. 61, p. 373. ⅔ column.

The Potsdam Gold-Ores of the Black Hills of South Dakota. By F. C. Smith. T. A. I. M. E., vol. 27, p. 404.

The Occurrence of Gold in the Potsdam Formation, Black Hills, Dakota. By W. B. Devereux. T. A. I. M. E., vol. 10, p. 465.

Gold-Ores of the Black Hills, South Dakota. By H. M. Chance. T. A. I. M. E., vol. 30, p. 278.

The Bear Butte Mineral Formation. By R. W. Barrell, M. & M., vol. 20, p. 512, 4⅓ columns. I.

Gold Fields of the Southern Appalachians. U. S. G. S., 16th Ann. Rept., pt. 3, pp. 251–331. 1895.

Gold Mining in the Southern Appalachians. By J. H. Pratt. E. & M. J., vol. 74, p. 241. 3 columns.

The Southwestern Extremity of the Appalachian Gold Fields. By W. B. Phillips. E. & M. J., vol. 64, p. 398. 1½ columns.

Gold Mining in the Appalachian Belt. By W. H. Adams. E. & M. J., vol. 62, p. 7. 2 columns.

Auriferous Slate-Deposits of the Southern Mining Region. By P. H. Mell. T. A. I. M. E., vol. 9, p. 399.

Auriferous Slate Deposits of the Southern Mining Region. E. & M. J., vol. 31, p. 397, 1 column; p. 398, 1 column.

Gold and Silver Mining in the Southern States. By S. W. Cramer. E. & M. J., vol. 57, p. 149. 1½ columns.

The Southern Gold Fields. E. & M. J., vol. 47, p. 254, 1 column; p. 458, 1¼ columns.

The Present Condition of Gold-Mining in the Southern Appalachian States. By H. B. C. Nitze and H. A. J. Wilkens. T. A. I. M. E., vol. 25, pp. 661, 1016.

Gold Fields of the Atlantic Slope. By C. L. Dignowity. Min. & Sci. Press, vol. 87, p. 183. 2 columns.

Southern Mining Impressions: An Account of the Development Going on and Improvements Visible in the Mining Regions of the South. M. & M., vol. 23, p. 495. 5 columns.

Mines of the Appalachian Range. By G. B. Hanna. Sch. Mines Quart., vol. 3, p. 208. 6 pages.

The Silver Mines of Texas. By H. M. Adkinson. E. & M. J., vol. 74, p. 150. 4 columns. I.

On the Occurrence of Gold in Williamson County, Texas. By C. A. Schaeffer. T. A. I. M. E., vol. 11, p. 318.

Geology of the Shafter Silver District, Texas. By J. A. Udden. Min. & Sci. Press, vol. 89, p. 26. 3 columns.

Occurrence of Ore at Bingham, Utah. E. & M. J., vol. 79, p. 1176. 4 columns. I.

Bingham Canyon Mines: A Description of One of the Oldest and Still One of the Richest Mining Camps of Utah. By Don Maguire. M. & M., vol. 19, p. 377. 4 columns. I.

The Old Telegraph Mine, Bingham Cañon, Utah. By C. Fenner. Sch. Mines Quart., vol. 14, p. 354. 4 pages.

The Emma Mine. By F. Keffer. E. & M. J., vol. 84, p. 496. 4½ columns. I.

A New Mining Region: Box Elder County, Utah. By Don Maguire. Min. & Sci. Press, vol. 82, p. 93. 2⅕ columns.

Structural Features of the Ontario Mineral Belt, Park City, Utah. By W. P. Jenney. Min. & Sci. Press, vol. 92, p. 6. 4½ columns. I.

The Emma Mine, Utah. Min. & Sci. Press, vol. 28, pp. 361, 364, 3 columns, I.; p. 377, 1 column, I.

Gold and Silver Mining in Utah. By O. J. Hollister. T. A. I. M. E., vol. 16, p. 3.

Gold Mines of Mercur: A Description of One of the Most Peculiar Formations of Gold Ore in the World. By Don Maguire. M. & M., vol. 19, p. 81, 4⅓ columns, I.; p. 130, 3½ columns, I.

The Utah Consolidated Mining Company. E. & M. J., vol. 82, p. 488. 6 columns. I.

Ore-Deposits of the Tintic District. M. & M., vol. 28, p. 292. 2 columns. I.

The Mines of Tintic, Utah: The Largest and One of the Most Productive Silver, Lead, and Copper Regions in the State. By Don Maguire. M. & M., vol. 19, p. 153. 4½ columns. I.

The Tintic Mining District in Utah. By H. L. J. Warren. E. & M. J., vol. 63, p. 235. 2¾ columns.

Mines of the Tintic District, Utah. By R. B. Brinsmade. M. & M., vol. 28, p. 291. 9 columns. I.

Stateline Mining District Iron County, Utah. By G. H. Smith. Min. & Sci. Press, vol. 84, p. 101. 1⅔ columns.

The Horn Silver Mine of Utah. E. & M. J., vol. 27, p. 219. 1½ columns.

The De Lamar and the Horn-Silver Mines: Two Types of Ore-Deposits in the Deserts of Nevada and Utah. By S. F. Emmons. T. A. I. M. E., vol. 31, p. 658.

The Highland Boy Mine and Mill, Bingham, Utah. E. & M. J., vol. 64, p. 665. 2¾ columns. I.

Silver in Sandstone, Utah. Min. & Sci. Press, vol. 41, p. 416. 3 columns.

The Silver Sandstones of Utah. E. & M. J., vol. 23, p. 317. 1⅔ columns.

The Silver Sandstone District of Utah. By C. M. Rolker. T. A. I. M. E., vol. 9, p. 21.

Silver-Bearing Sandstones of Southern Utah. By Don Maguire. M. & M., vol. 20, p. 323. 3 columns.

The Silver King Mine and Mill, Utah. By H. L. J. Warren. E. & M. J., vol. 68, p. 545. 3 columns. I.

The Daly-West Mine, Park City, Utah. By H. L. J. Warren. E. & M. J., vol. 68, p. 455. 2½ columns. I.

The Daly-Judge Mine, Utah. E. & M. J., vol. 82, p. 109. 6 columns. I.

The Daly-West Mine, Park City, Utah. E. & M. J., vol. 82, p. 12. 7 columns. I.

Daly-West Mine and Mill. By R. B. Brinsmade. M. & M., vol. 28, p. 353. 5½ columns. I.

The Blue Mountains in Utah. E. & M. J., vol. 63, p. 574. 1 column.

History of the Ontario Mine, Park City, Utah. By T. J. Almy. T. A. I. M. E., vol. 16, p. 35.

Mercur, Utah. By John Dern. Min. & Sci. Press, vol. 75, p. 72, 2 columns; p. 195, 1½ columns.

Camp Floyd District, Utah. By J. W. Neill. E. & M. J., vol. 61, p. 85. 2¾ columns.

The Camp Floyd Mining District and the Mercur Mines, Utah. By R. C. Gemmell. E. & M. J., vol. 63, p. 403, 3½ columns, I.; p. 427, I.

De Lamar's Mercur Mines, Utah. By H. L. J. Warren. E. & M. J., vol. 68, p. 754, 4½ columns, I.; p. 787, I.

M. & M., Aug., 1904, p. 1. 6 columns.

Geology of Mercur, Utah. By Geo. H. Dern. M. & M., June, 1904, pp. 543–545.

Economic Geology of the Mercur Mining District, Utah. U. S. G. S., 16th Ann. Rept., 1895, pp. 349–369.

The Silver Sandstone District of Utah. By C. M. Rolker. T. A. I. M. E., vol. 9, p. 21.

Notes on the El Callao Mill, Venezuela. By G. P. Ashmore and Chas. Seale. T. I. M. & M., vol. 9, p. 107. 18½ pages. I.

The El Callao Mine, Venezuela. By B. Searle. E. & M. J., vol. 54, p. 172. 1¼ columns.

Note on El Callao Gold Mine of Venezuela. By Robt. Peele. Sch. Mines Quart., vol. 14, p. 155. 1 page.

The Venezuela Gold Mines. By E. E. Olcott. E. & M. J., vol. 40, p. 404. 1½ columns.

Observations on the Gold Fields of Venezuela and Geology of the State of Guiana. Am. Jour. Min., vol. 7, p. 145. 1 column.

Quartz Veins in Maine and Vermont. U. S. G. S., Bull. No. 225, pp. 81–88. 1904.

Uncertainty of Gold Mining in Vermont. Rept. State Geologist on Mineral Industries, 1901–2, pp. 32–34.

Review of Gold Mining in Vermont. Rept. State Geologist, 1903–4, pp. 54–58.

Gold Mining in Vermont. By M. E. Smith. 2d Bienn. Rept. Bd. Agric., 1873–4, pp. 754, 758.

Gold in Vermont: Improbability of Profit in Vermont Gold Mines. Rept. State Geologist on Mineral Resources, 1899–1900, pp. 12–14.

A Virginia Gold Mine. By E. K. Judd. E. & M. J., vol. 83, p. 343. 1½ columns.

Gold and Silver in the Ohio Valley, West Virginia. By J. D. Whitham. E. & M. J., vol. 48, p. 71. 2 columns.

Report of Explorations on the Gold Fields of Virginia and North Carolina. By H. Credner. E. & M. J., vol. 6, p. 377, 1¼ columns; p. 393, 1½ columns; p. 406, 1½ columns; p. 361, 1½ columns.

The Republic Mining Camp, Washington. By M. H. Joseph. E. & M. J., vol. 68, p. 635. 3¾ columns. I.

The Republic Mine, Washington. By M. H. Joseph. E. & M. J., vol. 66, p. 545. 2¼ columns. I.

The Republic Mine, Washington. By M. H. Joseph. E. & M. J., vol. 68, p. 725. 4 columns. I.

Notes on the Republic District, Washington, with Special Reference to the Metallurgy of Its Ores. By J. C. Ralston. E. & M. J., vol. 74, p. 74. 9½ columns. I.

The Republic District, Washington. Min. & Sci. Press, vol. 79, p. 312. 1¾ columns.

The Mountain Lion Mine, Republic, Washington. By M. H. Joseph. E. & M. J., vol. 69, p. 285. 3 columns. I.

The Lone-Pine-Surprise Consolidated Mines, Republic, Washington. By M. H. Joseph. E. & M. J., vol. 69, p. 617. 4¾ columns. I.

The Silverton Mining District, Snohomish County, Washington. By R. H. Stretch. E. & M. J., vol. 72, p. 105. 1½ columns.

The Independent Mine at Silverton, Snohomish County, Washington. By R. H. Stretch. E. & M. J., vol. 73, p. 832. 2 columns. I

The Mount Baker Mining District, Washington. By G. O. Smith. E. & M. J., vol. 73, p. 379. 3¾ columns. I.

The Mines of Kittitass County, Washington. E. & M. J., vol. 54, p. 608. 1½ columns.

Lake Chelan District: An Account of an Undeveloped Mining District in the State of Washington. By A. Lakes. M. & M., vol. 20, p. 268. 4 columns. I.

The Monte Cristo Mining District, Washington. By R. H. Stretch. E. & M. J., vol. 55, p. 343. 1 column. I. Map.

The Deu Pru Lode, Washington. By H. Landes. E. & M. J., vol. 65, p. 39. 3½ columns. I.

The Ore Deposits of Monte Cristo, Washington. U. S. G. S., 22d Ann. Rept., pt. 2, pp. 777–866. 1902.

Ore Deposits of Monte Cristo, Washington: An Abstract of Monograph by J. E. Spurr. M. & M., Dec., 1902, p. 204. 4½ columns.

Gold in Santo Domingo. E. & M. J., vol. 80, p. 311, 1 column; vol. 79, p. 1128, 7½ columns, I.

The Gold-Fields of the Southern Portion of the Island of San Domingo. By R. P. Rothwell. T. A. I. M. E., vol. 10, p. 345.

Gold Mining in Santo Domingo. By F. L. Garrison. E. & M. J., vol. 84, p. 490. 8 columns. I.

Gold in Santo Domingo. E. & M. J., vol. 80, p. 69. 1½ columns.

Gold Developments in Central Uinta County, Wyoming, and at Other Points on Snake River. By A. R. Schultz. U. S. G. S., Bull. No. 315, pp. 71–88. 1907.

The Bald Mountain District, Wyoming. By F. D. Smith. E. & M. J., vol. 62, p. 535. 2 columns. I.

Gold and Silver in Wyoming Coals. E. & M. J., vol. 84, p. 931. ¼ column.

The Occurrence of Platinum

Geological Relations and Distribution of Platinum and Associated Metals. By J. F. Kemp. U. S. G. S., Bull. No. 193. 95 pages. 1902.

Platinum in the Yukon. E. & M. J., vol. 84, p. 273. 4 columns.

Does Platinum Occur in Arizona? E. & M. J., vol. 69, p. 224. 1 column.

The Occurrence of Platinum in the Ural Mountains. Min. & Sci. Press, vol. 77, p. 252, 4 columns; and p. 280, 3 columns.

The Occurrence of Platinum in New South Wales. E. & M. J., vol. 62, p. 126. 1½ columns. I.

Platinum Mining at Fifield, New South Wales. By J. B. Jaquet. E. & M. J., vol. 62, p. 220. ¾ column.

Platinum in Australia. By J. Plummer. E. & M. J., vol. 73, p. 793. ⅞ column.

Palladium and Platinum in Brazil. T. I. M. E., vol. 30, p. 607. 1 page.

Platinum on the Fraser River. E. & M. J., vol. 83, p. 1060. ¼ column.

Platinum in British Columbia. By R. W. Brock. E. & M. J., vol. 77, p. 280. 2½ columns.

The Occurrence of Platinum in Canada. By J. F. Donald. E. & M. J., vol. 55, p. 81. ¾ column.

Platinum in Old Channel Placers. By D. H. Stovall. M. & M., Aug., 1904, p. 50. ½ column.

The Occurrence of Platinum in Wollastonite, on the Island of Sumatra, Netherlands, East Indies. By L. Hundeshagen. T. I. M. & M., vol. 13, p. 550. 3 pages.

Platinum in New Zealand. E. & M. J., vol. 67, p. 528. ⅓ column.

Notes on Gold and Platinum Mining in the Ural Mountains. By D. A. Louis. T. I. M. & M., vol. 8, p. 208.

The Platinum Deposits of the Tura River, Russia. By C. W. Purington. E. & M. J., vol. 67, p. 350. 3 columns. I.

Platinum Deposits in the Urals. By N. Vissotzki. T. I. M. E., vol. 27, p. 660. ⅔ page.

Russian Platinum. E. & M. J., vol. 79, p. 844. ½ column.

The Platinum Deposits of the Tura River-System, Ural Mountains, Russia. By C. W. Purington. T. A. I. M. E., vol. 29, p. 3.

The Russian Platinum Industry. E. & M. J., vol. 83, p. 1040. 2¾ columns.

The Occurrence of Platinum in the Ural Mountains, Russia. By C. W. Purington. E. & M. J., vol. 77, p. 720, 6 columns; p. 762, 8 columns, I. Map.

Notes on the Occurrence of Platinum in North America. By D. T. Day. Min. & Sci. Press, vol. 81, p. 158. 1¾ columns.

Notes on the Occurrence of Platinum in North America. By D. T. Day. T. A. I. M. E., vol. 30, p. 702.

Platinum. By D. T. Day. U. S. G. S., Mineral Resources for 1906, pp. 551–562. 1907.

The Discovery of Platinum in Wyoming. By W. C. Knight. E. & M. J., vol. 72, p. 845. 1¼ columns.

Platinum in Copper Ores in Wyoming. By S. F. Emmons. U. S. G. S., Bull. No. 213, pp. 94–97. 1903.

Occurrence of Copper and Copper Ores

Notes on the Berehaven Copper Mines. By G. H. Blenkinsop. T. I. M. & M., vol. 12, p. 213. 10 pages.

A Review of the Ste. Genevieve Copper Deposit. By Frank Nicholson. T. A. I. M. E., vol. 10, p. 444.

The Lost Packer Copper Gold Lode. By E. P. Jennings. J. C. M. I., vol. 9, p. 54. 4 pages. I.

Foreign Copper Mines. By W. H. Weed. Min. Mag., vol. 12, p. 5. 26 columns. I.

Some Copper Deposits in Rhodesia. By C. Brackenbury. T. I. M. & M., vol. 15, p. 633. 12 pages.

The Copper Deposits of Cape Colony, South Africa. By W. H. Weed. E. & M. J., Feb. 9, 1905, p. 272. 4¼ columns. I.

Notes on the Namaqualand Copper District. By J. A. Chalmers. T. I. M. & M., vol. 8, p. 395.

A Copper Mine in Central Africa. E. & M. J., vol. 75, p. 858. 1½ columns. I.

Copper Ore Deposits in German Southwest Africa. By F. W. Voit. T. I. M. E., vol. 29, p. 712. 2 pages.

Copper Deposits in Southwest Africa. By J. Kuntz. Min. Mag., Jan., 1905, p. 92. 2 columns.

Geology of Some Copper Deposits in Alaska. By B. Stevens. E. & M. J., vol. 75, p. 782. ½ column. I.

Copper Deposits of the Mount Wrangell Region, Alaska. By W. C. Mendenhall and F. C. Schroder. U. S. G. S., Bull. No. 213, pp. 141–148. 1903.

Copper Prospects of Prince William Sound, Alaska. By U. S. Grant. E. & M. J., vol. 83, p. 229. 2¼ columns. Map.

White Horse Copper Camp, Yukon Territory. Min. & Sci. Press, vol. 89, p. 308. 4⅓ columns. Map.

Copper Mines of the Pampa Central. By J. B. Ambrosetti. E. & M. J., vol. 59, p. 555. ½ column.

Copper in Northern Arizona. By R. B. Brinsmade. E. & M. J., vol. 84, p. 962. 2 columns. I.

The Geology and the Copper-Deposits of Bisbee, Arizona. By F. L. Ransome. T. A. I. M. E., vol. 34, p. 618.

Copper Deposits at Clifton, Arizona. By W. Lindgren. U. S. G. S., Bull. No. 213, pp. 133–140, 1903.

Copper Deposits of Clifton-Morenci District, Arizona. U. S. G. S., Professional Paper No. 43. 375 pages. 1905.

The Copper Ore-Deposits and the Copper Production near Clifton, Arizona. E. & M. J., vol. 39, p. 68. 3 columns.

The Bisbee, Arizona, Copper Camp. By Geo. A. Newett. T. L. S. M. I., vol. 10, p. 127. 18 pages.

The Copper Mines of Arizona. E. & M. J., vol. 55, p. 512. 1 column.

The Globe District, Arizona. E. & M. J., vol. 77, p. 839. 4½ columns. I.

The Globe and Phœnix Mine. By C. E. Parsons. E. & M. J., vol. 81, p. 848. 1¾ columns.

Copper Mining at Bisbee, Arizona: History of the Discovery and Development. By R. B. Brinsmade. M. & M., vol. 27, p. 289. 9½ columns. I.

Globe District, Arizona. Min. & Sci. Press, vol. 35, p. 338. 1⅞ columns.

Copper Deposits of Bisbee, Arizona. By F. L. Ransome. U. S. G. S., Bull. No. 213, pp. 149–157. 1903.

The Globe Copper District, Arizona. By F. L. Ransome. U. S. G. S., Professional Paper No. 12. 1904.

Copper Deposits at Clifton, Arizona. U. S. G. S., Bull. No. 213, pp. 133–140. 1903.

Origin of Copper Ores in Tuscan Serpentine. E. & M. J., vol. 59, p. 560. ¼ column.

The Copper Queen Mine, Arizona. By James Douglas. T. A. I. M. E., vol. 29, pp. 511 and 1056.

The Copper-Deposits of Copper Basin, Arizona, and Their Origin. By W. P. Blake. T. A. I. M. E., vol. 17, p. 479.

Copper Deposits of Arizona. By F. L. Ransome. Min. Mag., Aug., 1904, p. 132. 4½ columns.

The Genesis of the Copper-Deposits of Clifton-Morenci, Arizona. By W. Lindgren. T. A. I. M. E., vol. 35, p. 511. 40 pages.

Clifton-Morenci District, Arizona. Min. & Sci. Press, vol. 82, p. 190. 1¾ columns.

Copper Deposits of the Ajo Basin, Gila Basin, Arizona: The Large Amount of Mineral and Difficulties of Exploiting. By A. Lakes. M. & M., vol. 21, p. 12. 6¾ columns. I.

Geology and Ore Deposits of the Bisbee Quadrangle, Arizona. U. S. G. S., Professional Paper No. 21. 168 pages. 1904.

The Ray Copper Mine, Arizona. By A. Hill. E. & M. J., vol. 69, p. 587. 3 columns. I.

An Arizona Copper Deposit. By J. F. Blandy. E. & M. J., vol. 64, p. 97. ¾ column. I.

Copper in New South Wales. By J. Plummer. E. & M. J., vol. 73, p. 50. 1½ columns.

Copper Mining in Australia. Min. & Sci. Press, vol. 26, p. 62. 2 columns.

Copper Mining in New South Wales. E. & M. J., vol. 69, p. 227. ⅞ column.

Copper in Australia. By F. S. Mance. E. & M. J., vol. 82, p. 972. $\frac{7}{8}$ column.

The Mount Lyell Copper Mine. By S. A. Ionides. Min. & Sci. Press, vol. 92, p. 435. 2 columns. I.

Copper Mining in Australia. By F. S. Mance. E. & M. J., vol. 82, p. 122. $1\frac{1}{2}$ columns.

Notes on the Mount Lyell Mine, Tasmania. By S. Fawns. T. I. M. & M., vol. 4, p. 279.

The Mount Lyell Copper Deposits, Tasmania. By H. J. Daly. T. I. M. & M., vol. 9, p. 80. 28 pages.

Geology of Mount Lyell Copper Deposits, Tasmania. T. I. M. & M., vol. 9, p. 85.

Copper Deposits of Mount Lyell, Tasmania. T. I. M. & M., vol. 9, p. 88. 8 pages. I.

Ore-Deposits of Mount Lyell, Tasmania. By J. J. Muir. T. I. M. E., vol. 18, p. 367. 4 pages.

The Mitterberg Copper Mine in Austrian Tyrol. By E. Walker. E. & M. J., vol. 81, p. 507. 5 columns. I.

The Ore-Deposits of Copper Mountain, Similkameen District, British Columbia. By O. N. Scott. J. C. M. I., vol. 5, p. 493. 9 pages. I.

Copper Deposits of Mount Sicker, Vancouver. E. & M. J., vol. 78, p. 673. 3 columns.

British Columbia Copper Company's Mines. By E. Jacobs. E. & M. J., vol. 71, p. 648. 3 columns. I.

Copper Mountain, British Columbia. By J. Catherinet. E. & M. J., Jan. 19, 1905, p. 125. 8 columns. I.

Copper Mining at Kamloops, British Columbia. By W. M. Wade. E. & M. J., vol. 66, p. 698. 1 column.

The Production of Copper in the Boundary District, British Columbia. By A. R. Ledoux. J. C. M. I., vol. 5, p. 171. 7 pages.

Copper on Vancouver Island. E. & M. J., vol. 82, p. 592. 1 column.

Some Observations Relative to the Occurrence of Deposits of Copper Ore on Vancouver Island, and Other Portions of the Pacific Coast. By Wm. M. Brewer. J. C. M. I., vol. 9, p. 39. $10\frac{1}{2}$ pages.

Yukon Territory: Lewis River Copper District. By W. M. Brewer. E. & M. J., vol. 69, p. 376. 1 column. I.

The Copper Deposits of Vancouver Island. By W. M. Brewer. T. A. I. M. E., vol. 29, p. 483.

On the Copper-Bearing Volcanic Rocks in the Eastern Townships of the Province of Quebec. By J. A. Dresser. J. C. M. I., vol. 5, p. 81. 5 pages.

A New Area of Copper-Bearing Rocks in the Eastern Townships of the Province of Quebec. By J. A. Dresser. J. C. M. I., vol. 7, p. 397. $4\frac{1}{2}$ pages. I.

Copper Deposits of the Redding Region, California. By J. S. Diller. U. S. G. S., Bull. No. 213, pp. 123–132. 1903.

The Copper Region of Northern California. By J. S. Diller. E. & M. J., vol. 73, p. 857. $4\frac{1}{2}$ columns. Map.

The Greenback Copper Mine, Kern County, California. By H. W. Turner. E. & M. J., vol. 74, p. 547. $3\frac{1}{2}$ columns. I.

Copper in Northern California. By J. S. Diller. Min. & Sci. Press, vol. 85, p. 62, $1\frac{1}{5}$ columns; p. 72, $1\frac{1}{4}$ columns.

Copper Resources of California. By M. M. O'Shaughnessy. T. A. I. M. E., California Mines and Minerals, p. 205. 15 pages. I.

The Copper of Shasta County, California. By D. F. Campbell. Min. & Sci. Press, vol. 94, p. 28, $4\frac{3}{4}$ columns, I.; p. 55, $7\frac{1}{2}$ columns, I.

Copper in Shasta County, California. Min. & Sci. Press, vol. 94, p. 625. 2¾ columns. I.

Some Notes on Greenwater: A Copper District in California. By E. R. Zalinski. E. & M. J., vol. 83, p. 77. 16¾ columns. I.

The Greenwater Copper District, California. By W. C. Ralston. E. & M. J., vol. 82, p. 1105. 6 columns. I.

The Copper Belt of California. By H. Lang. E. & M. J., vol. 84, p. 909, 13 columns, I.; p. 963, 10½ columns, I.; p. 1006, 13½ columns, I.

Copper Ores in the Cascade Mountains. By R. H. Stretch. E. & M. J., vol. 78, p. 789. 6 columns. I.

Copper Deposits of North Carolina. By W. B. Phillips. E. & M. J., vol. 67, p. 382. ⅔ column.
American Manufacturer, Mar. 17, 1899.

The Union Copper Mines, Gold Hill, North Carolina. By A. R. Ledoux. E. & M. J., vol. 69, p. 167. 6½ columns. I.

The Ore Knob Copper Mine and Some Related Deposits. By T. S. Hunt. T. A. I. M. E., vol. 2, p. 123.

The Ore Knob Copper Mine and Reduction Works, Ashe County, North Carolina. By E. E. Olcott. T. A. I. M. E., vol. 3, p. 391.

Copper in North Carolina. E. & M. J., vol. 83, p. 583. 2 columns.

The Braden Copper Mines in Chile. By W. Braden. E. & M. J., vol. 84, p. 1059. 11 columns. I.

Copper Mining in Chile. E. & M. J., vol. 82, p. 972. 1¾ columns.

A Curious Copper Deposit in Chile. By J. A. W. Murdoch. E. & M. J., vol. 71, p. 587. 2 columns. I.

The Copper Sulphate Deposits at Copaquire, Chile. By E. Walker. E. & M. J., vol. 75, p. 710. 2½ columns. I.

The Copper Mines of Chili. By J. Douglas. E. & M. J., vol. 13, p. 330, 4¼ columns; p. 340, 2¾ columns; p. 363, 2 columns; p. 387, 3 columns; p. 406, 3 columns.

Reconnaissance Examination of the Copper Deposits at Pearl, Colorado. U. S. G. S., Bull. No. 213, pp. 163–169. 1903.

Copper in the Red Beds of the Colorado Plateau Region. U. S. G. S., Bull. No. 260, pp. 221–232. 1905.

The Cashin Mine, Montrose County, Colorado. By W. H. Emmons. U. S. G. S., Bull. No. 285, pp. 125–128. 1906.

Notes on Copper Deposits near Tokar, Sudan. By W. H. Shockley. Min. & Sci. Press, vol. 91, p. 175. 1⅙ columns. Map.

The Mansfield Copper Mines. By A. F. Wendt. E. & M. J., vol. 42, p. 129. 2⅔ columns.

Mining in Cornwall. E. & M. J., vol. 77, p. 553. 1⅓ columns.

Operations and Tendencies of Modern Mansfield. By P. A. Wagner and J. S. G. Primrose. E. & M. J., vol. 84, p. 671. 6¾ columns. I.

Copper Deposits in Georgia. U. S. G. S., Bull. No. 225, pp. 180–181. 1904.

Notes on the Seminole Copper Deposits of Georgia. By T. L. Watson. U. S. G. S., Bull. No. 225, pp. 182–186.

Copper Deposits of Limogrardi, Greece. E. & M. J., vol. 59, p. 11. Note.

Cœur d'Alene Copper District. By W. C. Clark. M. & M., May, 1902, p. 462. 1 column.

The Snowstorm Copper Mine, Idaho. By R. N. Bell. E. & M. J., vol. 83, p. 282. 1 column.

The Copper Deposits of the "Seven Devils," Idaho. By W. Lindgren. Min. & Sci. Press, vol. 78, p. 125. 2⅙ columns.

THE SINGHBHOOM COPPER MINES IN INDIA. E. & M. J., vol. 67, p. 407. ½ column.

NOTE ON THE COPPER MINES OF SINGHBHOOM, INDIA. By H. Harris. E. & M. J., vol. 57, p. 345. ½ column.

THE COPPER AND TIN DEPOSITS OF CHOTA-NAGPORE, BENGAL, INDIA. By R. Oates. T. F. I. M. E., vol. 9, p. 427. 25 pages. I.

THE IRON AND COPPER MINES OF IRELAND. Min. & Sci. Press, vol. 26, p. 218. ¾ column.

NOTES ON THE BEREHAVEN COPPER MINES, IRELAND. By G. H. Blenkinsop. T. I. M. & M., vol. 12, p. 213. 11 pages.

NOTES ON COPPER MINING IN THE VALE OF OVOCA, COUNTY WICKLOW, IRELAND. By E. H. Davies. T. I. M. & M., vol. 12, p. 195. 18 pages. I.

THE ASHIO COPPER MINES AND SMELTING WORKS, ASHIO, JAPAN. By W. J. Menzies. E. & M. J., vol. 54, p. 128. 1½ columns.

COPPER MINING IN JAPAN. By E. W. Nardin. E. & M. J., vol. 72, p. 848. 4½ columns. I.

THE COPPER MINES OF JAPAN. E. & M. J., vol. 81, p. 1041. 2⅓ columns. T. A. I. M. E., vol. 5, p. 270.

SOME COPPER DEPOSITS OF CARROLL COUNTY, MARYLAND. By P. Frazer. T. A. I. M. E., vol. 9, p. 33.

A NEW COPPER DISTRICT IN MEXICO. By E. du B. Lukis. E. & M. J., vol. 65, p. 279. 3 columns. I.

THE CANANEA COPPER DEPOSITS. By R. B. Brinsmade. M. & M., vol. 27, p. 465. 10 columns. I.

THE COPPER-DEPOSITS AT SAN JOSE, MEXICO. By J. F. Kemp. T. A. I. M. E., vol. 36, p. 178. 25 pages. I.

THE COPPER MINES OF NOCOSARI, MEXICO. E. & M. J., vol. 72, p. 65. 2 columns.

ARIZONA AND SONORA. By D. E. Woodbridge. E. & M. J., vol. 81, p. 896, I.; p. 990, I.; p. 1134, 4½ columns; p. 1180, 6½ columns; p. 1229, 10½ columns; vol. 82, p. 8, 8½ columns; p. 50, 7¾ columns, I.; p. 103, 9 columns, I.; p. 150, 5 columns; p. 242, 9 columns, I.; p. 298, 9½ columns, I.

THE CANANEA COPPER DEPOSITS, MEXICO. By W. H. Weed. E. & M. J., vol. 74, p. 744. 5 columns. I.

THE CANANEA ORE DEPOSITS. E. & M. J., vol. 76, p. 383, 1½ columns; p. 421, 1¼ columns; p. 459, 5⅞ columns, I.; p. 1000, 12½ columns.

COPPER MINING AT PLACERITAS DE NOCOSARI, SONORA, MEXICO. By H. B. Layton. Min. & Sci. Press, vol. 80, p. 344. 8 columns. I.

THE MINES OF CANANEA, MEXICO. Min. & Sci. Press, vol. 90, p. 200, 2 columns, I.; p. 220, 3½ columns.

THE COPPER-DEPOSITS AT SAN JOSE, TAMAULIPAS, MEXICO. By J. F. Kemp. T. A. I. M. E., vol. 36, p. 178. 25 pages. I.

THE TAVICHE MINING-DISTRICT NEAR OCOTLAN, STATE OF OAXACA, MEXICO. T. A. I. M. E., vol. 36, p. 798. 2½ pages.

THE CANANEA COPPER DEPOSITS. By R. B. Brinsmade. M. & M., vol. 27, p. 422. 4¾ columns. I.

SANTA CRUZ, A NEW COPPER CAMP IN SONORA. By F. J. H. Merrill. E. & M. J., vol. 83, p. 1043. 1 column. I. Map.

LA CANANEA MINING CAMP. By D. E. Woodbridge. E. & M. J., vol. 82, p. 623. 14 columns. I.

THE GEOLOGY OF SOME OF THE LANDS IN THE UPPER PENINSULA. By R. S. Rose. T. L. S. M. I., vol. 10, p. 88. 15 pages.

THE GEOLOGY OF KEWEENAW POINT: A Brief Description. By A. C. Lane. T. L. S. M. I., vol. 12, p. 81. 24 pages. I.

TWO NEW GEOLOGICAL CROSS-SECTIONS OF KEWEENAW POINT. By L. L. Hubbard. T. L. S. M. I., vol. 2, p. 79. 18 pages. I.

GEOLOGICAL WORK IN THE LAKE SUPERIOR REGION. By C. R. Van Hise. T. L. S. M. I., vol. 8, p. 62. 8 pages.

THE GEOLOGY OF THE NORTH SHORE OF LAKE SUPERIOR. By T. S. Hunt. T. A. I. M. E., vol. 2, p. 58.

TOPOGRAPHY, WITH ESPECIAL REFERENCE TO THE LAKE SUPERIOR COPPER DISTRICT. By J. F. Blandy. T. A. I. M. E., vol. 1, p. 75.

THE COPPER MINING DISTRICT OF MICHIGAN AND ITS INDUSTRIES. E. & M. J., vol. 50, p. 358. 4 columns. I.

THE OSCEOLA MINE, LAKE SUPERIOR, MICHIGAN. By C. S. Herzig. Coll. Engr. & Met. Miner, vol. 15, p. 217. 6½ columns. I.

THE TAMARACK MINE, LAKE SUPERIOR, MICHIGAN. By C. S. Herzig. Coll. Engr. & Met. Miner, vol. 15, p. 169. 6 columns. I.

THE WOLVERINE COPPER MINE. By F. J. Nicholas. E. & M. J., vol. 73, p. 582. 1½ columns.

MICHIPICOTON ISLAND AND ITS COPPER MINES. By H. Poole. E. & M. J., vol. 54, p. 125. 2 columns. I.

THE BELT COPPER MINE, MICHIGAN. E. & M. J., vol. 36, p. 47. 2 columns.

COPPER MINES OF LAKE SUPERIOR. By T. A. Rickard. E. & M. J., vol. 78, p. 585, 7 columns, I. Map; p. 625, 7½ columns, I.; p. 665, 6½ columns, I.; p. 705, 5½ columns, I.; p. 745, 7½ columns, I.; p. 785, 6 columns, I.; p. 825, 7 columns, I.; p. 865, 8 columns, I.; p. 905, 9 columns, I.; p. 945, 17 columns, I.; p. 1025, 6 columns, I.

THE COPPER-BEARING ROCKS OF LAKE SUPERIOR. By R. D. Irving. U. S. G. S., Monograph V. 464 pages. 1883.

ORE DEPOSITS OF LAKE SUPERIOR COPPER DISTRICT. E. & M. J., vol. 78, p. 625. 7½ columns.

THE REPUBLIC IRON MINE, MICHIGAN. E. & M. J., vol. 42, p. 6. 2 columns.

THE ORIGIN AND MODE OF OCCURRENCE OF THE LAKE SUPERIOR COPPER DEPOSITS. By M. E. Wadsworth. T. A. I. M. E., vol. 27, p. 669.

THE RELATION OF THE VEIN AT THE CENTRAL MINE, KEWEENAW POINT, TO THE KEARSARGE CONGLOMERATE. By L. L. Hubbard. T. L. S. M. I., vol. 3, p. 74. 10 pages. I.

SOME OCCURRENCES OF NATIVE COPPER AT KEWEENAW POINT, LAKE SUPERIOR. By H. Credner. E. & M. J., vol. 9, p. 3, 1⅓ columns; p. 24, 1 column; p. 36, 1½ columns.

THE COPPER AND IRON-BEARING ROCKS OF LAKE SUPERIOR. By A. C. Campbell. E. & M. J., vol. 31, p. 20. 2½ columns.

LAKE SUPERIOR COPPER MINES. By H. J. Stevens. Min. & Sci. Press, vol. 88, p. 381. 2 columns.

BRIEF DESCRIPTION OF THE CALUMET AND HECLA MINE, LAKE SUPERIOR, MICHIGAN. By E. McCormick. Min. & Sci. Press, vol. 75, p. 459. 1¾ columns. I.

MINES OF THE LAKE SUPERIOR COPPER DISTRICT: Description (1906) and Equipment. T. L. S. M. I., vol. 12, p. 8. 16 pages. I.

DESCRIPTION OF VARIOUS MINES AND MILLS. T. L. S. M. I., vol. 12, p. 25. 26 pages.

COPPER MINING IN UPPER MICHIGAN. By J. F. Jackson. J. W. Soc. E., vol. 8, p. 1. 22 pages. I.

NOTES ON THE COPPER RANGE. Min. & Sci. Press, vol. 94, p. 375. 2 columns. I.

THE LAKE SUPERIOR COPPER DISTRICT. By W. S. Hutchinson. E. & M. J., vol. 82, p. 253. 4 columns. I.

COPPER MINING IN UPPER MICHIGAN. By J. F. Jackson. Min. & Sci. Press, vol. 86, p. 185, 2 columns, I.; p. 199, 3 columns, I.; p. 214, 2½ columns. Mine map.

MINES OF THE LAKE SUPERIOR COPPER DISTRICT. By H. J. Stevens. T. L. S. M. I., vol. 12, p. 8. 18 pages. I.

TABLE OF COPPER MINING STATISTICS. T. L. S. M. I., vol. 12, p. 24. 1 page.

Copper Mining on Lake Superior. By J. P. Channing. Min. & Sci. Press, vol. 92, p. 198. 2⅓ columns. I.

The North Shore of Lake Superior as a Mineral-Bearing District. By W. M. Courtis. T. A. I. M. E., vol. 5, p. 473.

The Copper Deposits of Missouri. By H. F. Bain and E. O. Ulrich. U. S. G. S., Bull. No. 260, pp. 233–235. 1905.

The Mines and Reduction Works of Butte City, Montana. U. S. G. S., Mineral Resources 1883–84, pp. 374–396. 1885.

Copper Mines of Butte. E. & M. J., vol. 41, p. 299, 1 column; p. 352, 1½ columns; p. 445, ⅔ column; vol. 39, p. 208, 3 columns, I.

Ore Deposits at Butte, Montana. U. S. G. S., Bull. No. 213, pp. 170–180. 1903.

Economic Geology of the Butte (copper) District, Montana. U. S. G. S., Geologic Atlas folio No. 38. 1897.

The Mines of Butte, Montana. By A. Lakes. M. & M., vol. 20, p. 395, 3½ columns, I.; p. 469, 5 columns, I.

The Ore-Deposits of Butte City. By R. G. Brown. T. A. I. M. E., vol. 24, p. 543.

Notes on the Geology of Butte, Montana. By S. F. Emmons. T. A. I. M. E., vol. 16, p. 49.

The Speculator Mine, Butte, Montana. E. & M. J., vol. 73, p. 862. 2 columns.

The Synthesis of Chalcocite and Its Genesis at Butte. By H. V. Winchell. E. & M. J., vol. 75, p. 782. 6 columns.

Butte Copper Veins. By H. V. Winchell. E. & M. J., vol. 78, p. 7. 3½ columns. I.

The Mines of Butte: The Copper Veins of the Colusa Parrott Mine and a Description of the Silver Belt. By A. Lakes. M. & M., July, 1900, p. 529. 4⅔ columns.

The Gem-Jessie Copper and Silver Group at Butte. E. & M. J., vol. 73, p. 107. 2 columns. Map.

Copper at Butte, Montana. By A. H. Halloran. Min. & Sci. Press, vol. 93, p. 169, 6 columns; p. 198, 4 columns, I.; p. 230, 7 columns, I.

Copper Mining at Tilt Cove, Newfoundland. By W. S. Hutchinson. E. & M. J., vol. 82, p. 397. 1 column.

The Griggstown, New Jersey, Copper Deposit. U. S. G. S., Bull. No. 225, pp. 187–189. 1904.

The Schuyler Copper Mines, New Jersey. E. & M. J., vol. 69, p. 135. 2¾ columns. I.

Schuyler Copper Mines, New Jersey. M. & M., vol. 20, p. 423. ⅔ column.

The Copper Deposits of New Jersey. By N. S. Keith. Min. Mag., vol. 13, p. 468. 14 columns. I.

Copper Deposits of Mora County, New Mexico. By W. L. Austin. E. & M. J., vol. 65, p. 370. ⅞ column.

The Copper-Deposits of the Sierra Oscura, New Mexico. By H. W. Turner. T. A. I. M. E., vol. 33, p. 678.

The Burro Mountain Copper District, New Mexico. By G. D. Reid. E. & M. J., vol. 74, p. 778. 3½ columns. I.

Notes on the Oscura Copper-Fields and Other Mines in New Mexico. By E. D. Peters. E. & M. J., vol. 34, p. 270. 3⅓ columns.

The San Pedro Copper Mines in New Mexico. By C. Henrich. E. & M. J., vol. 43, p. 183. 1 column.

New Mexico vs. Lake Superior as a Copper Producer. By F. M. F. Cazin. E. & M. J., vol. 30, p. 87, 2½ columns; p. 108, 1 column.

The Burro Mountains Mines, New Mexico. Min. & Sci. Press, vol. 21, p. 73. 5¼ columns. I.

The Burro Mountains Copper District, New Mexico. By S. S. Lang. E. & M. J., vol. 82, p. 395. 3½ columns. I.

Burro Mountains Copper District, New Mexico. By W. R. Wade. E. & M. J., vol. 84, p. 355. 4 columns. I.

The Coxheath Copper Mines, Cape Breton, Nova Scotia. E. & M. J., vol. 52, p. 428, 1½ columns; vol. 49, p. 445, 2 columns, I.

The Low-Grade Copper Deposits at Ely, Nevada. By W. S. Bullock. E. & M. J., vol. 83, p. 509. 9 columns. I.

The Copper Mines of Ely, Nevada. By W. R. Ingalls. E. & M. J., vol. 84, p. 675. 18 columns. I.

The Productive and Earning Capacity of Ely, Nevada. E. & M. J., vol. 84, p. 719. 12 columns. I.

Copper Deposits at Ely, Nevada. By W. S. Bullock. M. & M., vol. 27, p. 518. 4½ columns. I.

Copper Mining in Nevada. By M. L. Requa. Min. & Sci. Press, vol. 93, p. 546. 2 columns.

The Copper Mines of Nevada. By Dan De Quille. Min. & Sci. Press, vol. 74, p. 70. 2 columns.

Native Copper in New Zealand. By W. H. Baker. E. & M. J., vol. 71, p. 752. 1 column.

The United and Champion Copper Mines of New Zealand. By C. Henrich. E. & M. J., vol. 46, p. 414. 4¾ columns. I.

The Copper Deposits of Adams County, Pennsylvania. By J. Trowbridge. E. & M. J., vol. 35, p. 88, 2½ columns; p. 112, 1 column.

The Cerro de Pasco Copper Mines of Peru. E. & M. J., vol. 74, p. 742. 2½ columns.

The Kedabeg Copper Mines, Russia. By G. Köller. T. I. M. & M., vol. 14, p. 497. 41 pages. I.

Copper in Siberia. M. & M., May, 1903, p. 445.

The Spassky Copper Mine, Ltd. By E. Walker. E. & M. J., vol. 80, p. 1202. 6 columns. I.

Copper Deposits of the Kirghiz Steppes, Siberia. E. & M. J., vol. 58, p. 368. 1⅔ columns. I.

The Mines at Rio Tinto, Spain. E. & M. J., vol. 36, p. 310, 2 columns; p. 325, 2½ columns.

Rio Tinto Company. E. & M. J., vol. 61, p. 472, 2 columns. I.

Rio Tinto Copper District. By J. W. Gregory. E. & M. J., Feb. 23, 1905, p. 370. 7 columns. I.

Mining and Treatment of Copper Ore at Tharsis, Spain. By C. F. Courtney. P. I. C. E., vol. 125, pp. 126–144.

Copper, Silver and Zinc Mining in Sweden. E. & M. J., vol. 47, p. 368. ¾ column.

The Ducktown Copper Mining District. By S. W. McCallie. E. & M. J., vol. 74, p. 439. 5 columns. I.

Copper Deposits of the Blue Ridge (Ducktown). E. & M. J., vol. 16, pp. 89, 106.

Ducktown, Tennessee, Copper Mining District. By W. M. Brewer. E. & M. J., vol. 59, p. 271. 1⅔ columns. I.

The Ducktown Ore-Deposits and the Treatment of the Ducktown Copper-Ores. By C. Henrich. T. A. I. M. E., vol. 25, p. 173.

The Deposits of Copper-Ores at Ducktown, Tennessee. By J. F. Kemp. T. A. I. M. E., vol. 31, p. 244.

Copper-Ores in the Permian of Texas. By E. J. Schmitz. T. A. I. M. E., vol. 26, pp. 97, 1051.

The Copper Mines of Servia. By W. H. Weed. E. & M. J., vol. 84, p. 115. 2¼ columns.

Progress of Copper Mining in Turkey. Am. Jour. Min., vol. 7, p. 130. 1½ columns.

Copper Bearing Districts of the United States. Min. Mag., Sept., 1904, p. 184.

Occurrence and Distribution of Copper in the United States. By W. H. Weed. Min. Mag., Sept., 1904, p. 185. 18 columns. I.

The Copper Ores of the Southwest. By A. F. Wendt. T. A. I. M. E., vol. 15, p. 25.

Copper Mining in Lake Superior Region. By J. F. Jackson. M. & M., July, 1903, p. 535.

Types of Copper-Deposits in the Southern United States. By W. H. Weed. T. A. I. M. E., vol. 30, p. 449.

Distribution of Copper Ores. E. & M. J., vol. 39, p. 228. 3½ columns.

Recent Development of Southern Copper Deposits. By W. H. Weed. E. & M. J., vol. 74, p. 80. 3 columns.

The Copper Mines of the United States. By W. H. Weed. Min. & Sci. Press, vol. 93, p. 484. 4 columns. I.

Copper. By L. C. Graton. U. S. G. S., Mineral Resources for 1906, pp. 373–438. 1907.

The Copper Production of the United States. U. S. G. S., Bull. No. 260, pp. 211–216. 1905.

The Copper Deposits of Eastern United States. U. S. G. S., Bull. No. 260, pp. 217–220. 1905.

The Copper Mines of the United States in 1905. U. S. G. S., Bull. No. 285, pp. 93–124. 1906.

Copper Deposits of the Appalachian States. U. S. G. S., Bull. No. 213, pp. 181–185. 1903.

Copper Ore. By J. A. Hourwich, Rept. Census Office, Mines and Quarries, 1902, p. 469. 66 columns. D.

Copper Prospects. By T. L. Carter. P. C. M. & M. Soc. S. A., vol. 5, p. 305, 11 columns, I.; p. 343, 3 columns.

Ore Deposits of Bingham, Utah. By J. M. Boutwell. U. S. G. S., Bull. No. 213, pp. 105–122. 1903; E. & M. J., vol. 79, p. 1176. 8½ columns. I.

Ore Deposits of Bingham, Utah. U. S. G. S., Bull. No. 260, pp. 236–241. 1905.

The Cactus Copper Mine, Utah. U. S. G. S., Bull. No. 260, pp. 242–248. 1905.

The Copper Deposits of the Beaver River Range, Utah. By H. M. Crowther. E. & M. J., vol. 75, p. 965. 1⅔ columns.

The Utah Copper Company's Mine and Mills. E. & M. J., vol. 82, p. 434. 10 columns. I.

Mining at Bingham, Utah. By R. B. Brinsmade. M. & M., vol. 28, p. 90, 7½ columns, I.; p. 105, 6¾ columns, I.

Mining the Porphyry Ore of Bingham. By W. R. Ingalls. E. & M. J., vol. 84, p. 431, 16 columns, I.; p. 479, 15 columns, I.

Bingham Canyon, Utah. E. & M. J., vol. 82, p. 290. 4½ columns. I.

The Bingham Mining Camp, Utah. By N. W. Emmes. Min. Mag., vol. 12, p. 457. 16 columns. I.

The Disseminated Copper Ore of Bingham, Utah. E. & M. J., vol. 80, p. 154. 1¾ columns.

The Boston Consolidated, Bingham, Utah. E. & M. J., vol. 82, p. 407. 3⅓ columns. I.

The "Copper Placers" of Bingham, Utah. E. & M. J., vol. 63, pp. 543, 628. 1 column.

Copper Mines in Vermont. E. & M. J., vol. 67, p. 590. 1 column.

Notes on the Copper Mines of Vermont. By W. H. Weed. U. S. G. S., Bull. No. 225, pp. 190–199. 1904.

The Copper Deposits of Orange County, Vermont. By H. L. Smyth and P. S. Smith. E. & M. J., vol. 77, p. 677. 4½ columns.

The Elizabeth Copper Mines, Vermont. E. & M. J., vol. 42, p. 327. 1 column.

The Copper Deposits of Vermont. By H. A. Wheeler. Sch. Mines Quart., vol. 4, p. 217. 6 pages.

The Copper Deposits of Virginia. By T. L. Watson. E. & M. J., vol. 82, p 824. 8 columns. I.

The Virginia Copper Belt. By E. K. Judd. E. & M. J., vol. 82, p. 1005. 11 columns. I.

Copper Deposits near Luray, Virginia. By W. C. Phalen. U. S. G. S., Bull. No. 285, pp. 140–143. 1906.

The Copper Deposits of Index, Washington. By W. H. Mackellar. E. & M. J., vol. 68, p. 155. ½ column. I.

A Washington Copper Deposit. By R. H. Norton. E. & M. J., vol. 67, p. 173. 2 columns. I.

Grand Encampment Copper District. By H. W. Beeler. E. & M. J., vol. 76, p. 618. 2⅓ columns. I.

Great Scot Copper Lode, Chelan County, Washington. By R. Yound. E. & M. J., vol. 74, p. 648. 2 columns. I.

Copper Mining in Cuba. By B. B. Lawrence. Min. & Sci. Press, vol. 93, p. 602. 1 column.

El Cobre Copper Mines, Santiago de Cuba. By A. E. Heighway. E. & M. J., vol. 75, p. 220. 2 columns. I.

The Copper Mines of Santa Clara Province, Cuba. By T. W. Vaughan. E. & M. J., vol. 72, p. 814. 8 columns. I.

Copper Mines near Havana, Cuba. By W. H. Weed. E. & M. J., Jan. 26, 1905, p. 176. 4 columns. I.

Copper Mining in Northern Wisconsin. By K. Thomas. M. & M., vol. 21, p. 102. 2 columns.

Grand Encampment Copper District of Wyoming: Some Notes on the Geology and a Description of Some of the Development Work. By A. Lakes. M. & M., vol. 25, p. 200. 3 columns +.

Copper Deposits of the Hartville Uplift, Wyoming. By S. H. Ball. U. S. G. S., Bull. No. 315, pp. 93–107. 1907.

Copper Deposits of the Encampment District, Wyoming. U. S. G. S., Professional Paper No. 25. 107 pages. 1904.

The Wyoming Copper Region. By J. C. Kennedy. E. & M. J., vol. 66, p. 640. 2 columns. I.

The Grand Encampment and Saratoga Districts of Wyoming. By T. Tonge. M. & M., vol. 20, p. 28. 2½ columns. I.

Occurrence of Lead and Zinc Ores

Zinc and Lead Deposits of Northern Arkansas. By G. I. Adams. U. S. S. G., Bull. No. 213, pp. 187–196. 1903.

Zinc Mining in Arkansas. E. & M. J., vol. 47, p. 431. 1½ columns. I.

The Zinc-Lead Deposits of Southwest Arkansas. By W. B. Phillips. E. & M. J., vol. 71, p. 431. 1¾ columns.

The Zinc and Lead-Deposits of North Arkansas. By J. C. Branner. T. A. I. M. E., vol. 31, p. 572.

The Missouri and Arkansas Zinc-Mines at the Close of 1900. By E. Hedburg. T. A. I. M. E., vol. 31, pp. 379, 1013.

The Rush Creek, Arkansas, Zinc District. By H. M. Chance. T. A. I. M. E., vol. 18, p. 505.

Zinc- and Lead-Deposits of Northern Arkansas. By G. I. Adams. T. A. I. M. E., vol. 34, p. 163.

The Ghorband Lead-Mines, Afghanistan. By A. L. Collins. T. F. I. M. E., vol. 6, p. 449. 8 pages.

Broken Hill Zinc. E. & M. J., vol. 80, p. 928. 2 pages.

The Broken Hill Mines, New South Wales. By T. A. Rickard. E. & M. J., vol. 52, p. 530. 3 columns.

Geological Occurrence of the Broken Hill Ore Deposits. By E. F. Pittman. E. & M. J., vol. 55, p. 199. 1⅓ columns. I.

The Raibl Zinc Deposits. By W. Gabl. Min. Mag., Aug., 1904, p. 129. ½ column.

Zinc Resources of British Columbia. Min. & Sci. Press, vol. 93, p. 658. 2 columns.

Zinc Mines of the East and West Kootenays. By P. Argall. Rept. Zinc Comm. Canada, 1906, p. 161. 101 pages.

The Zinc Resources of British Columbia. E. & M. J., vol. 82, p. 1069. 2½ columns.

Notes on the British Columbia Zinc Problem. By A. C. Gorde. J. C. M. I., vol. 7, p. 368. 9 pages.

The Lead Industry in British Columbia. E. & M. J., vol. 82, p. 551. 3½ columns.

The Granby Mine, British Columbia. E. & M. J., vol. 82, p. 441. 6½ columns. I.

Zinc Carbonate Ores of the Magdalena Mountains, California. By C. R. Keyes. Min. Mag., vol. 12, p. 109. 12 columns. I.

Notes on the Leadville Ore-Deposits. By C. M. Rolker. T. A. I. M. E., vol. 14, p. 273.

The Leadville District. By A. W. Warwick. Min. Mag., vol. 11, p. 430. 20 columns. I.

Around Leadville, Colorado. By W. A. Scott. Min. & Sci. Press, vol. 75, p. 193. 1½ columns.

Leadville, Colorado: Geology and Ore Deposits. Min. & Sci. Press, vol. 57, p. 106. 2½ columns.

The "Down Town" Mines of Leadville. By A. Lakes. M. & M., vol. 21, p. 147. 5 columns. I.

The Mines of Leadville, Colorado. E. & M. J., vol. 51, p. 280. 1 column.

The Mines of Custer County, Colorado. U. S. G. S., 17th Ann. Rept., 1896, pp. 411–472.

The Ore Deposits of Leadville, Colorado. E. & M. J., vol. 52, p. 209. 1 column.

The Geology and Ore-Deposits of Iron Hill, Leadville, Colorado. By A. A. Blow. T. A. I. M. E., vol. 18, p. 145.

The Geology of the Leadville Ore-District. By F. M. Amelung. E. & M. J., vol. 29, p. 255. 1¼ columns. I.

Structural Geology at Leadville. By F. L. Barker. M. & M., vol. 28, p. 220. 5½ columns. I.

Ore Occurrence at Leadville, Colorado. By F. Robbins. Min. & Sci. Press, vol. 86, p. 168. ¾ column.

Leadville, Colorado. E. & M. J., vol. 31, p. 315, 1½ columns; p. 183, 1⅔ columns; p. 470, 1 column.

Leadville's Ore-Shoots. Min. & Sci. Press, vol. 50, p. 302. ⅞ column.

Some Notes on the Geology of Leadville, Colorado. Min. & Sci. Press, vol. 78, p. 536. 3 columns.

A Curious Deposit of Cerussite in Colorado. By R. B. Brinsmade. E. & M. J., vol. 83, p. 844. 4½ columns. Map.

Zinc in Colorado: Its Occurrence and Distribution. By A. Lakes. M. & M., vol. 20, p. 302. ½ column.

The San Juan Country as a Zinc Producer. By S. W. Osgood. Min. Mag., Dec., 1904, p. 423. ¼ column.

Notes on the Lead-Industry of the Mendip Hills. By T. Morgans. T. I. M. E., vol. 20, p. 478. 16 pages.

Lead and Zinc Mines of North Wales. By E. Walker. E. & M. J., vol. 84, p. 871. 11¼ columns. I.

The Deposit at the Mill Close Lead-Mine, Darley Dale, Matlock. By C. E. Parsons. T. F. I. M. E., vol. 12, p. 115. 8 pages. I.

The Zinc Industry of Upper Silesia. E. & M. J., vol. 76, p. 120. 1 column.

The Silesian Zinc Industry. By G. P. Scholl. Min. Mag., vol. 12, p. 206. 14 columns.

Ore Deposits of the Cœur d'Alene District, Idaho. By F. L. Ransome. U. S. G. S., Bull. No. 260, pp. 274–303. 1905.

Mining in the Cœur d'Alene District, Idaho. By J. P. Rowe. M. & M., vol. 28, p. 549. 4 columns. I.

The Mining Industry of the Cœur d'Alene District, Idaho. By J. R. Finlay. M. & M., May, 1904, p. 497. 4 columns. I.

Cœur d'Alene Mining Region. By A. Lakes. M. & M., vol. 20, p. 303. 3½ columns. I.

The Mining Industry of the Cœur d'Alenes, Idaho. By J. R. Finlay. T. A. I. M. E., vol. 33, p. 235.

The Cœur d'Alene Silver-Lead Mines. By J. E. Clayton. E. & M. J., vol. 45, p. 108. 2½ columns.

The Cœur d'Alene District. E. & M. J., vol. 77, p. 13. 1 column.

Cœur d'Alene Mining Region: Facts in Regard to the Development of the Country and the Forms in which the Minerals are Found. By W. C. Clark. M. & M., July, 1900, p. 561. 2½ columns.

Cœur d'Alene Mining District, Idaho. By A. Lakes. M. & M., vol. 20, p. 303. 3½ columns. I.

Geology and Ore Deposits of the Cœur d'Alene District, Idaho. By F. L. Ransome and F. C. Calkins. U. S. G. S., Professional Paper No. 62.

The Cœur d'Alene District. By F. L. Ransome. Min. Mag., vol. 12, p. 26. 14 columns. I. Map.

Lead and Zinc Deposits of Illinois. By H. F. Bain. U. S. G. S., Bull. No. 225, pp. 202–207. 1904.

Lead and Zinc: A Description of the Mines of Iowa in the Upper Mississippi Region. By A. G. Leonard. Coll. Engr. & Met. Miner, vol. 17, p. 121. 4 columns. I.

Lead and Zinc Deposits of Iowa. By A. G. Leonard. E. & M. J., vol. 61, p. 614. 1¾ columns.

The Dubuque Lead and Zinc Mines. By H. F. Bain. M. & M., vol. 20, p. 10. 4½ columns. I.

Zinc and Lead in Iowa. By S. W. Beyer. E. & M. J., vol. 73, p. 586, ¾ column.

The Lead and Zinc Mines of Monteponi. By C. W. Wright. Min. Mag., vol. 12, p. 33. 12 columns. I.

Zinc Deposits of Iglesias, Sardinia. By G. Merlo. Rassegna Mineraria, Aug. 11, 21; Sept. 1, 1904, and Min. Mag., Jan., 1905, p. 91. 2 columns.

The Lead-Zinc Mines of Kansas and Missouri: Mining and Milling. W. R. Crane. M. & M., Dec., 1904, p. 210. I.

Lead in Japan. T. A. I. M. E., vol. 5, p. 276.

Lead Deposits in Northern Kentucky. By R. B. Brinsmade. E. & M. J., vol. 83, p. 658. 5 columns. I.

Lead, Zinc, and Fluorspar Deposits of Western Kentucky. By E. O. Ulrich and W. S. T. Smith. U. S. G. S., Bull. No. 213, pp. 205–213. 1903.

U. S. G. S., Professional Paper No. 36. 218 pages. 1905.

Zinc in Crittenden County, Kentucky. By G. D. Wheeler. E. & M. J., vol. 74, p. 413. 2½ columns. I.

The Zinc Mining Industry of Southwest Missouri and Southeast Kansas. By J. R. Holibaugh. E. & M. J., vol. 58, p. 392, 1⅓ columns; p. 413, 1⅔ columns; p. 437, 2 columns; p. 460, 1½ columns; p. 484, 2½ columns; p. 508, 1⅔ columns; p. 535, 3 columns, I.

The Lead and Zinc Mines of Southwest Missouri. By F. C. Florance. Coll. Engr., vol. 13, p. 170. 1¼ columns.

The Joplin Zinc District of Southwest Missouri. By J. H. Steele. Min. & Sci. Press, vol. 80, p. 640. 3⅞ columns.

The Joplin District, Missouri. E. & M. J., vol. 84, p. 885. 1½ columns. Map.

The Joplin Zinc District. By R. L. Herrick. M. & M., vol. 28, p. 145. 21 columns. I.

The Missouri and Arkansas Zinc-Mines at the Close of 1900. By Eric Hedburg. T. A. I. M. E., vol. 31, 1901, p. 379.

The Joplin Zinc District: The Peculiarities of the Ore Bodies. By Joe Blyn. M. & M., Feb., 1904, p. 329. 4 columns.

Note on the Zinc Deposits of Southern Missouri. By R. W. Raymond. T. A. I. M. E., vol. 8, p. 165.

The Southeastern Missouri Lead and Zinc District. By G. C. Broadhead. T. A. I. M. E., vol. 5, p. 100.

Lead- and Zinc-Deposits of Missouri. By A. Winslow. T. A. I. M. E., vol. 24, pp. 634, 931.

Distribution of Lead and Zinc Ores near Joplin, Missouri. E. & M. J., vol. 67, p. 321. 1 column. I.

Southeastern Missouri Lead Fields. E. & M. J., vol. 71, p. 114. Map.

A Sketch of Mine La Motte, Missouri. By C. R. Keyes. E. & M. J., vol. 62, p. 485. 2½ columns.

On the Occurrence of Lead-Ores in Missouri. By J. R. Gage. T. A. I. M. E., vol. 3, p. 116.

The Zinc Mines at Aurora, Missouri. By H. K. Landis. E. & M. J., vol. 60, p. 611. 2 columns. I.

The Disseminated Lead Ores of Southeastern Missouri. By A. Winslow. U. S. G. S., Bull. No. 132. 31 pages. 1896.

Lead and Zinc Deposits of the Joplin District, Missouri-Kansas. By W. S. T. Smith. U. S. G. S., Bull. No. 213, pp. 197–204. 1903.

Preliminary Report on the Lead and Zinc Deposits of the Ozark Region [Missouri, Arkansas]. By H. F. Bain, C. R. Van Hise, and G. I. Adams. U. S. G. S., 22d Ann. Rept., pt. 2, pp. 23–228. 1902.

Preliminary Report on the Lead and Zinc Deposits of the Ozark Region. By H. F. Bain. U. S. G. S., 22d Ann. Rept., pt. 2, 1901, p. 133.

Notes on the Ore-Deposits, and Ore-Dressing in Southeastern Missouri. By J. F. Kemp. Sch. Mines Quart., vol. 9, p. 74. 6 pages. D.

On the Occurrence of Lead-Ores in Missouri. By J. R. Gage. T. A. I. M. E., vol. 3, p. 116.

The Disseminated Lead Ores of Southeastern Missouri. By F. L. Nason. E. & M. J., vol. 73, p. 478. 5 columns. I.

The Lead Ores of Southwestern Missouri. By C. V. Petræus and W. G. Waring. E. & M. J., vol. 80, p. 721. 3 columns.

The Lead-Ore Deposits of Washington County, Missouri. E. & M. J., vol. 76, p. 890. 4½ columns.

Lead Mining in Southeastern Missouri. By R. D. O. Johnson. E. & M. J., vol. 80, p. 481. 4⅔ columns.

Zinc and Lead Mines of Missouri and Kansas. By H. J. Stevens. M. & M., vol. 20, p. 311. 3 columns.

The Joplin Zinc District. By F. L. Garrison. M. & M., vol. 20, p. 462. 3 columns.

The Franklinite Deposits of Mine Hill, Sussex County, New Jersey. By F. L. Nason. T. A. I. M. E., vol. 24, p. 121.

Zinc and Manganese Deposits of Franklin Furnace, New Jersey. By J. E. Wolff. U. S. G. S., Bull. No. 213, pp. 214–217. 1903.

Notes on the Structure of the Franklinite and Zinc-Ore Beds of Sussex County, New Jersey. By W. P. Blake. T. A. I. M. E., vol. 24, p. 521.

Zinc-Ore Deposits of New Mexico. By W. P. Blake. E. & M. J., vol. 57, p. 532. 1¾ columns.

The Zinc-Ore Deposits of Southwestern New Mexico. By W. P. Blake. T. A. I. M. E., vol. 24, p. 187.

Zinc Mining in New Mexico. By R. W. Haddon. E. & M. J., vol. 81, p. 845. 3½ columns. I.

Kelly, New Mexico: A Zinc Camp. By R. B. Brinsmade. M. & M., vol. 27, p. 49. 8 columns. I.

On the Occurrence of Galena at Smithfield, Nova Scotia. By J. E. Hardman. T. F. C. M. I., vol. 1, p. 215. 5 pages.

A Nevada Zinc Deposit. U. S. G. S., Bull. No. 285, pp. 166–169. 1906.

Zinc Ore in Northern New York. By D. H. Newland. E. & M. J., vol. 81, p. 1094. 3¼ columns. I.

The Zinc Mines at Ellenville, New York. By A. O. Ihlseng. E. & M. J., vol. 75, p. 630. 2 columns. I.

The Rossie Lead Veins, New York. By C. H. Smyth. Sch. Mines Quart., vol. 24, p. 421. 10 pages. I.

The Quawpaw Zinc District. By W. R. Crane. E. & M. J., vol. 80, p. 488. 6⅔ columns. I.

Lead and Zinc Mining in Oklahoma. By W. R. Crane. M. & M., vol. 27, p. 445. 3 columns. I.

The Lancaster County, Pennsylvania, Zinc Mines. E. & M. J., vol. 24, p. 3. 1 column.

The Linares Lead Mining Industry of Spain. By E. Mackay-Heriot. E. & M. J., vol. 73, p. 68. 5 columns. I.

Zinc Mines in Spain. E. & M. J., vol. 38, p. 343. 1½ columns; p. 359, 1 column.

Lead Mining in the Linares District, Spain. By N. Carmichael. Min. Mag., vol. 12, p. 294. 5 columns.

Zinc in Eastern Tennessee. By W. C. Clarke. M. & M., vol. 27, p. 395. 1¾ columns.

Zinc-Lead in Tennessee. M. & M., vol. 24, p. 174. 1¾ columns.

The Zinc Belt of Tennessee. By W. C. Clarke. M. & M., vol. 27, p. 567. 2 columns.

Zinc Mining in Tennessee. E. & M. J., vol. 80, p. 311. 1¼ columns.

Recent Zinc Mining in East Tennessee. By A. Keith. U. S. G. S., Bull. No. 225, pp. 208–213. 1904.

Lead Ores of Burnt County, Texas. E. & M. J., vol. 77, p. 364. 1½ columns.

The Lead Mines of Balia, Turkey. By G. Rolli. E. & M. J., vol. 77, p. 274. 1 column.

Zinc and Lead Deposits of the Upper Mississippi Valley. U. S. G. S., Bull. No. 294. 155 pages.

Recent Improvements in Desilverizing Lead in the United States. By H. O. Hoffman. U. S. G. S., Mineral Resources for 1883–84, pp. 462–473. 1885.

Lead Slags. By M. W. Iles. U. S. G. S., Mineral Resources for 1883–84, pp. 440–482. 1885.

Lead. By J. M. Boutwell. U. S. G. S., Mineral Resources for 1906, pp. 439–457. 1907.[a]

Lead and Zinc Resources of the United States. U. S. G. S., Bull. No. 260, pp. 251–273. 1905.

Zinc. U. S. G. S., Mineral Resources for 1906, pp. 459–489. 1907.[a]

Soft-Lead Resources of the United States. By H. F. Bain. Min. Mag., vol. 12, p. 19. 14 columns. I.

Lead Fields of the Upper Mississippi. By J. V. C. Phillips. Am. Jour. Min., vol. 1, p. 185, 1⅓ columns; p. 201, 2 columns; p. 218, 1 column; p. 234, 1½ columns; p. 250, 1⅔ columns; p. 266, ½ column; p. 279, 2⅔ columns; p. 295, 2 columns; p. 327, 2⅔ columns; p. 343, 2¼ columns; p. 359, 2 columns; p. 378, 1 column; p. 394, 1 column; p. 410, 2 columns; vol. 2, p. 58, 2 columns.

Lead Ores in the United States. Am. Jour. Min., vol. 3, p. 232. ⅔ column.

The Lead- and Zinc-Deposits of the Mississippi Valley. By W. P. Jenney. T. A. I. M. E., vol. 22, pp. 171, 621.

Zinc and Lead in Upper Mississippi Valley. E. & M. J., vol. 83, p. 1042. 1 column.

Lead and Zinc Ores. By J. A. Hourwick. Rept. Census Office, Mines and Quarries, 1902, p. 445. 4 columns.

Lead- and Zinc-Deposits of the Mississippi Valley. By C. R. Van Hise and H. Foster Bain. T. I. M. E., vol. 23, p. 376. 56 pages. I.

Note on the Falling Cliff Zinc Mine. By F. P. Dewey. T. A. I. M. E., vol. 10, p. 111.

The Zinc Industry of the Rocky Mountain Region. By W. G. Swart. E. & M. J., vol. 80, p. 1064. 4 columns.

The Zinc Industry in the United States. By H. S. Clark. Min. Mag., vol. 13, p. 461. 14 columns.

Lead- and Zinc-Deposits of the Virginia-Tennessee Region. By T. L. Watson. T. A. I. M. E., vol. 36, p. 681. 56 pages. I.

The Bertha Zinc Mines at Bertha, Virginia. By W. H. Case. E. & M. J., vol. 56, p. 292. 6 columns. I.

The Wythe Lead and Zinc Mines, Virginia. E. & M. J., vol. 55, p. 561, 2 columns, I.; p. 586, 1¼ columns.

Zinc Mining and Smelting in Southwestern Virginia. By E. Higgins, Jr. E. & M. J., vol. 79, p. 608, 6¾ column, I.; p. 658, I.

Zinc Ores of Virginia. By C. Q. Payne. E. & M. J., vol. 78, p. 544. 1¾ columns.

The Bertha Zinc-Mines at Bertha, Virginia. By W. H. Case. T. A. I. M. E., vol. 22, pp. 511, 696.

The Mining, Preparation and Smelting of Virginia Zinc-Ores. By T. L. Watson. T. A. I. M. E., vol. 37, p. 304. 15 pages. I.

Bibliography of the Lead- and Zinc-Deposits of Virginia and Tennessee. T. A. I. M. E., vol. 36, p. 736. 1¼ pages.

The Wisconsin Lead and Zinc District. E. & M. J., vol. 81, p. 1183. 8½ columns. I.

Lead Mining in the Wisconsin-Iowa-Illinois District. E. & M. J., vol. 82, p. 58. 7 columns. I.

The Wisconsin Zinc Fields. E. & M. J., vol. 82, p. 294, 6½ columns, I.; p. 359, 1 column.

Zinc and Lead Deposits of Wisconsin. By U. S. Grant. Min. Mag., vol. 13, p. 453. 16 columns. I.

The Wisconsin Zinc District. By H. A. Wheeler. M. & M., vol. 26, p. 368. 8¼ columns. Map.

The Lead Region of Wisconsin. E. & M. J., vol. 26, p. 7, ⅔ column, Map; p. 23, 1 column, I.; p. 41, 2½ columns, I.; p. 61, 1 column, I.; p. 77, ½ column; p. 95, ⅔ column; p. 132, 1¼ columns, I.; p. 237, 2 columns.

The Wisconsin Zinc-Fields. By F. Nicholson. E. & M. J., vol. 76, p. 847. 9 columns. I. Map.

The Lead and Zinc Fields of Wisconsin. By A. J. Roethe. E. & M. J., vol. 61, p. 88. 1½ columns.

Zinc and Lead Deposits of Southwestern Wisconsin. By U. S. Grant. U. S. G. S., Bull. No. 260, pp. 304–310. 1905.

ZINC AND LEAD MINES NEAR DODGEVILLE, WISCONSIN. By E. E. Ellis. U. S. G. S., Bull. No. 260, pp. 311–315. 1905.

Occurrence of Iron Ores

GEOLOGICO-GEOGRAPHICAL DISTRIBUTION OF THE IRON ORES OF THE EASTERN UNITED STATES. By J. C. Smock. T. A. I. M. E., vol. 12, p. 130.

IRON DEPOSITS OF TORBROOK. By R. G. E. Leckie. J. M. Soc. N. S., vol. 1, p. 53, pt. 3. 6 pages.

IRON RESOURCES OF THE WORLD. By R. Auspach. E. & M. J., vol. 80, p. 638. 6½ columns.

THE BELVOIR IRON-ORE: The Occurrence. By R. F. Percy. T. I. M. E., vol. 22, p. 30. 4 pages. I.

IRON ORE IN THE DUDDON ESTUARY. By J. L. Shaw. Engineering, London, vol. 76, pp. 324, 345, 365. 4 columns. I.

OCCURRENCE OF IRON ORES AND IRON MANUFACTURE IN THE WEALD. By C. E. Hawkins. T. F. I. M. E., vol. 13, p. 605. 4 pages.

THE IRON-BEARING ROCKS OF THE NASTAPOKAN ISLANDS. By G. R. Micke. J. C. M. I., vol. 5, p. 256. 2 pages. I.

NOTES ON AN IRON PROPERTY NEAR TUNIS. By A. J. MacInerny. T. I. M. & M., vol. 12, p. 224. 3 pages.

THE LIMONITES OF ALABAMA GEOLOGICALLY CONSIDERED. By H. McCalley. E. & M. J., vol. 62, p. 583. 2½ columns.

NOTE ON THE IRON-ORES, FUELS AND IMPROVED BLAST-FURNACE PRACTICE OF THE BIRMINGHAM DISTRICT, ALABAMA. By A. F. Brainerd. T. A. I. M. E., vol. 17, p. 151.

APPROXIMATE GENERAL SECTION OF EAST RED MOUNTAIN, BETWEEN BIRMINGHAM AND BESSEMER. E. & M. J., vol. 63, p. 44.

THE BROWN ORES OF THE RUSSELLVILLE DISTRICT, ALABAMA. U. S. G. S., Bull. No. 315, pp. 152–160. 1907.

THE CLINTON OR RED ORES OF THE BIRMINGHAM DISTRICT. U. S. G. S., Bull. No. 315, pp. 130–151. 1907.

THE IRON ORES OF THE BROOKWOOD DISTRICT, ALABAMA. By E. F. Burchard. U. S. G. S., Bull. No. 260, pp. 321–334. 1905.

THE HEMATITES OF ALABAMA GEOLOGICALLY CONSIDERED. By H. McCalley. E. & M. J., vol. 63, p. 43. 3 columns. I.

THE CLINTON OR RED ORES OF NORTHERN ALABAMA. U. S. G. S., Bull. No. 285, pp. 172–179. 1906.

THE IRON ORES OF ALABAMA IN THEIR GEOLOGICAL RELATIONS. By E. A. Smith. U. S. G. S., Mineral Resources for 1882, pp. 149–161. 1883.

THE IRON-ORES AND COALS OF ALABAMA, GEORGIA, AND TENNESSEE. By J. B. Porter. T. A. I. M. E., vol. 15, p. 170.

THE BROWN ORE DEPOSITS NEAR LEEDS, ALABAMA. By W. B. Phillips. E. & M. J., vol. 65, p. 489. 3 columns. I.

ORIGIN OF CLINTON RED FOSSIL-ORE IN LOOKOUT MOUNTAIN, ALABAMA. By W. M. Bowron. T. A. I. M. E., vol. 36, p. 587. 18 pages. I.

SOUTHERN IRON MINING: A Description of the Iron Ore Mines of Alabama and Georgia. By W. M. Brewer. M. & M., vol. 18, p. 97. 6¾ columns. I.

THE BROWN ORE DEPOSIT OF BAKER HILL, ALABAMA. By W. M. Brewer. E. & M. J., vol. 55, p. 77. 2 columns. I.

THE IRON ORE MINES OF THE SLOSS IRON AND STEEL COMPANY, ALABAMA. E. & M. J., vol. 54, p. 318. 2 columns. I.

CHROME IRON ORE MINING IN ASIA MINOR. By W. F. Wilkinson. E. & M. J., vol. 60, p. 4. ⅞ column.

Emery, Crome-Ore and Other Minerals in the Villayet of Aidin, of Asia Minor. By W. F. A. Thomae. T. A. I. M. E., vol. 28, p. 208.

Chrome Iron Ore Mining in Asia Minor. By W. F. Wilkinson. T. I. M. & M., vol. 3, pp. 448 and 453.

Iron in New South Wales. By J. Plummer. E. & M. J., vol. 72, p. 854. 1 column.

Chromite Mining in New South Wales. By J. E. Came. E. & M. J., vol. 59, p. 603. 1½ columns.

Occurrences of Chrome Ore in Australia. By R. W. Emerson Macivor. E. & M. J., vol. 45, p. 53. 1 column.

The Iron Ore Deposits near Kitchener, British Columbia. By W. Blakemore. J. C. M. I., vol. 5, p. 76. 4 pages. I.

Prospecting for Iron Ore in Newfoundland and Cape Breton. By C. A. Meissner. J. C. M. I., vol. 2, p. 66. 5 pages. I.

Canadian Lake Iron Ores. By J. G. Donald. E. & M. J., vol. 57, p. 250. 1 column.

A Notable Canadian Deposit of Chromite. By J. T. Donald. J. C. M. I., vol. 2, p. 25. 3 pages. I.

Coal and Iron in Cape Breton. E. & M. J., vol. 72, p. 667. 1¾ columns.

An Ontario Iron Ore Deposit: The Hutton Iron Range, Ontario. E. & M. J., vol. 75, p. 183. 1⅙ columns.

Types of Iron Bearing Rock in Ontario. E. & M. J., vol. 75, p. 294. 2 columns.

Chromic Iron in Quebec, Canada. By J. T. Donald. E. & M. J., vol. 58, p. 224. ½ column.

Notes on the Production and Uses of Canadian Chrome Ore. By W. H. Edwards. E. & M. J., vol. 82, p. 584. 1 column.

The Iron Ore Fields of Ontario. By W. G. Miller. J. C. M. I., vol. 4, p. 265. 18 pages. I.

The Iron Ore Deposits of Western Ontario and Their Genesis. By F. Hille. J. C. M. I., vol. 5, p. 49. 13 pages. I.

Notes on the Production and Uses of Canadian Chrome. By W. H. Edwards. J. C. M. I., vol. 9, p. 35. 4¼ pages.

The Exploration of the Ontario Iron Ranges. By A. B. Willmott. J. C. M. I., vol. 7, p. 257. 14 pages. I.

Notes on the Magnetic Iron Sand of the North Shore of the St. Lawrence. By J. Obalski. J. C. M. I., vol. 4, p. 91. 6 pages. I.

Investigation of Magnetic Iron-Ores from Eastern Ontario. By F. J. Pope. T. A. I. M. E., vol. 29, p. 372.

British Columbia Iron and Coal. By W. M. Brewer. M. & M., Aug., 1902, p. 1. 7 columns.

Some Canadian Iron-Ores. By F. P. Dewey. T. A. I. M. E., vol. 12, p. 192.

The Animikie Iron Range, Canada. E. & M. J., vol. 83, p. 703. 1½ columns.

Mining and Mineral Resources in the Redding District in 1903. U. S. G. S., Bull. No. 225, pp. 169–179. 1904.

Iron Ores of the Redding Quadrangle, California. By J. S. Diller. U. S. G. S., Bull. No. 213, pp. 219–220. 1903.

San Bernardino Iron Mines. By C. H. Hubbs. Min. & Sci. Press, vol. 80, p. 178. 2 columns.

Magnesite Deposits in California. By C. G. Yale. U. S. G. S., Mineral Resources for 1903, pp. 1131–1135. 1904.

Magnesite. U. S. G. S., Mineral Resources for 1906, pp. 1145–1147. 1907.

Some Magnetite Deposits of California. By F. L. Hess. U. S. G. S., Bull. No. 285, pp. 385, 392. 1906.

THE LIMONITE ORES OF CHEROKEE COUNTY, NORTH CAROLINA. By H. B. C. Nitze. E. & M. J., vol. 63, p. 330. 3 columns.

NOTES ON SOME OF THE MAGNETITES OF SOUTHWESTERN VIRGINIA AND THE CONTIGUOUS TERRITORY OF NORTH CAROLINA. By H. B. C. Nitze. T. A. I. M. E., vol. 20, p. 174.

IRON-ORE DEPOSITS OF THE CRANBERRY DISTRICT, NORTH CAROLINA-TENNESSEE. By A. Keith. U. S. G. S., Bull. No. 213, pp. 243–246. 1903.

NORTH CAROLINA IRON ORES AND MAGNETIC CONCENTRATION. By W. B. Phillips. E. & M. J., vol. 57, p. 490. 1½ columns.

THE MAGNETIC IRON-ORES OF ASHE COUNTY, NORTH CAROLINA. By H. B. C. Nitze. T. A. I. M. E., vol. 21, p. 260.

THE OCCURRENCE, ORIGIN AND CHEMICAL COMPOSITION OF CHROMITE. By J. H. Pratt. T. A. I. M. E., vol. 29, p. 17.

MAGNETIC IRON ORE IN GRANVILLE COUNTY, NORTH CAROLINA. By H. B. C. Nitze. E. & M. J., vol. 53, p. 447. ½ column.

NOTE ON LIMONITE PSEUDOMORPHS FROM DUTCH GUIANA. By R. W. Raymond. T. A. I. M. E., vol. 28, p. 235.

IRON AND MANGANESE: The Great Cebolla River Deposits, Colorado. By A. Lakes. Coll. Engr. & Met. Miner, vol. 16, p. 267. 4½ columns. I.

COLORADO IRON ORE DEPOSITS. By J. A. Snedaker. E. & M. J., Feb. 16, 1905, p. 313. 2 columns.

NOTES ON CERTAIN IRON-ORE DEPOSITS IN COLORADO. By C. M. Rolker. T. A. I. M. E., vol. 14, p. 266.

LEADVILLE AND THE IRON MINE. By F. L. Vinton. E. & M. J., vol. 27, p. 110. 3¾ columns. I.

THE IRON ORE DEPOSITS OF LEADVILLE, COLORADO. By C. Henrich. E. & M. J., vol. 27, p. 125, 1½ columns; p. 143, 1 column; p. 160, 1 column; p. 388, 4½ columns, I.

NOTE ON IRON-ORE DEPOSITS IN PITKIN COUNTY, COLORADO. By W. B. Devereux. T. A. I. M. E., vol. 12, p. 638.

NOTES ON THE SALISBURY (Connecticut) IRON MINES AND WORKS. By A. L. Holley. T. A. I. M. E., vol. 6, p. 220.

IRON ORE OF CLEVELAND, ENGLAND. E. & M. J., vol. 83, p. 1098. ¾ column.

THE OCCURRENCE, MODE OF WORKING, AND TREATMENT OF THE IRONSTONES FOUND IN THE NORTH STAFFORDSHIRE COAL-FIELD. By J. Cadman. T. I. M. E., vol. 26, p. 106. 14 pages. I.

THE OCCURRENCE, MODE OF WORKING, AND TREATMENT OF THE IRONSTONES FOUND IN THE NORTH STAFFORDSHIRE COAL-FIELD. By J. Cadman. T. I. M. E., vol. 27, p. 89. 24 pages. I.

THE BELVOIR IRON-ORE. By R. F. Percy. T. I. M. E., vol. 27, p. 30. 5 pages.

THE IRONSTONE OF CLEVELAND, ENGLAND. By A. E. Pratt. T. I. M. & M., vol. 16, p. 328. 12 pages.

HEMATITE-DEPOSITS AND HEMATITE-MINING IN WEST CUMBERLAND. By W. E. Walker. T. I. M. E., vol. 25, p. 292. 9 pages.

THE HEMATITE ORES OF CUMBERLAND. By J. L. Shaw. T. F. I. M. E., vol. 3, p. 580, 23 pages, I.; and vol. 4, p. 143, 8 pages.

THE WORKING OF HEMATITE IN THE WHITEHAVEN DISTRICT. By J. M. Main. T. F. I. M. E., vol. 8, p. 31. 13 pages.

AN ENGLISH HEMATITE MINE. E. & M. J., vol. 54, p. 393. ¼ column. I.

THE NORTH STAFFORDSHIRE COAL-FIELD, WITH THE IRONSTONE CONTAINED THEREIN. By C. J. Homer. T. N. S. I. M. & M. E., vol. 1, p. 102, 10½ pages; and vol. 2, p. 11, 34 pages.

The Minette Iron-Ore District of France. E. & M. J., vol. 80, p. 919. ½ column.

Some Notes on the Brown Iron Ores of Georgia. By S. W. McCallie. E. & M. J., vol. 69, p. 255. 3 columns. I.

Geological Relations of the Iron Ores in the Cartersville District, Georgia. By C. W. Hayes. T. A. I. M. E., vol. 30, pp. 403–419. 1901.

Iron Ores of the Cartersville District, Georgia. By C. W. Hayes and E. C. Eckel. U. S. G. S., Bull. No. 213, pp. 233–242. 1903.

Luxemburg and Its Iron-Ore Deposits. By J. W. Pearse. T. I. M. E., vol. 25, p. 580. 12 pages.

Iron Ores in Indiana. E. & M. J., vol. 84, p. 770. 1 column.

Iron Ore Deposits in Indiana. By W. S. Batchley. E. & M. J., vol. 74, p. 713. 2½ columns. I.

The Iron Ores of India. E. & M. J., vol. 61, p. 518. ½ column.

Iowa's Iron Mine. By S. W. Beyer. E. & M. J., vol. 73, p. 275. 4½ columns. I.

Iron in Japan. T. A. I. M. E., vol. 5, p. 266.

The Iron Ores of Bath County, Kentucky. By E. M. Kindle. U. S. G. S., Bull. No. 285, pp. 180–182. 1906.

The "Iron Mountains" of Lapland. M. & M., vol. 26, p. 295. ½ column.

Iron Ores of Arctic Lapland. By C. S. Osborn. T. L. S. M. I., vol. 9, p. 94. 19 pages. Map.

Davis Pyrites Mine, Massachusetts. By J. J. Rutledge. E. & M. J., vol. 82, p. 674, 12 columns, I.; p. 724, 12 columns, I.; p. 772, 6 columns, I.

Notes on the Iron Ore and Anthracite Coal of Rhode Island and Massachusetts. By A. L. Holley. T. A. I. M. E., vol. 6, p. 224.

Character of Ore at Davis Pyrites Mine, Massachusetts. E. & M. J., vol. 82, p. 724. 1¾ columns.

Character of Ore at Lyon, New York, Magnetite Mines. E. & M. J., vol. 82, p. 864. 2 columns.

Grade of Ore at Lyon Mountain Magnetite Mines, New York. E. & M. J., vol. 82, p. 917. Table.

Notes on the Occurrence of Siderite at Gay Head, Massachusetts. By W. P. Blake. T. A. I. M. E., vol. 4, p. 112.

The Cerro de Mercado (Iron Mountain) at Durango, Mexico. By J. Birkinbine. T. A. I. M. E., vol. 13, p. 189.

The Iron Mountain, and Plant of the Mexican National Iron and Steel Company, Durango, Mexico. By T. E. Witherbee. T. A. I. M. E., vol. 32, p. 156.

Iron in Mexico. By R. E. Chism. E. & M. J., vol. 46, p. 391. 2 columns.

A Summary of Lake Superior Geology, with Special Reference to Recent Studies of the Iron-Bearing Series. By C. K. Leith. T. A. I. M. E., vol. 36, p. 101. 53 pages. I.

Genesis of the Lake Superior Iron Ores. U. S. G. S., Economic Geology, vol. 1, pp. 47–66. 1905.

The Penokee Iron-Bearing Series of Michigan and Wisconsin. By R. D. Irving and C. R. Van Hise. U. S. G. S., Monograph XIX. 534 pages. 1892.

The Lake Superior Mining Region During 1903. U. S. G. S., Bull. No. 225, pp. 215–220. 1904.

The Iron Ores of the Marquette District. By C. R. Van Hise. E. & M. J., vol. 54, p. 29. 2 columns. I.

The Marquette Iron-Bearing District of Michigan, with Atlas, By C. R. Van Hise, W. S. Bayley. and H. L. Smyth. U. S. G. S., Monograph XXVIII. 608 pages. 1897.

THE IRON-ORE DEPOSITS OF THE LAKE SUPERIOR REGION. By C. R. Van Hise. U. S. G. S., 21st Ann. Rept., pt. 3, pp. 305–434. 1901.

THE MENOMINEE IRON-BEARING DISTRICT OF MICHIGAN. By W. S. Bayley. U. S. G. S., Monograph XLVI. 513 pages. 1904.

GEOLOGIC WORK IN THE LAKE SUPERIOR IRON DISTRICT DURING 1902. U. S. G. S., Bull. No. 213, pp. 247–250. 1903.

THE CRYSTAL FALLS IRON-BEARING DISTRICT OF MICHIGAN. By J. M. Clements, H. L. Smyth, W. S. Bayley, and C. R. Van Hise. U. S. G. S., Monograph XXXVI. 512 pp. 1899.

THE IRON MINES OF THE MENOMINEE DISTRICT, MICHIGAN. E. & M. J., vol. 31, p. 368, 2 columns; p. 382, 2 columns.

THE MARQUETTE RANGE. By James E. Jopling. T. A. I. M. E., vol. 541.

THE GOGEBIC IRON MINES, MICHIGAN. By C. D. Lawton. E. & M. J., vol. 43, p. 42, 1 column; p. 82, 1⅓ columns; p. 131, 4 columns; vol. 42, p. 77, 3 columns; p. 112, 2 columns.

THE GOGEBIC RANGE, MICHIGAN. T. L. S. M. I., vol. 10, p. 158. 5 pages. I.

THE GEOLOGY OF THAT PORTION OF THE MENOMINEE RANGE EAST OF THE MENOMINEE RIVER. By N. P. Hulst. T. L. S. M. I., vol. 1, p. 19. 14 pages. I.

MENOMINEE RANGE. By J. L. Buell. T. L. S. M. I., vol. 11, p. 38. 12 pages.

NOTES ON THE GEOLOGICAL STRUCTURE AND WORKING OF THE DEPOSITS OF THE MARQUETTE DISTRICT. By J. B. Brooks. E. & M. J., vol. 9, p. 257. 5 columns.

CHARCOAL IRON INDUSTRY OF THE UPPER PENINSULA OF MICHIGAN. By Wm. G. Mather. T. L. S. M. I., vol. 9, p. 63. 18 pages+. I.

THE MARQUETTE IRON REGION. Sch. Mines Quart., vol. 3, p. 35, 14 pages, I.; p. 103, 16 pages, I.; p. 197, 12 pages; p. 243, 11 pages.

THE MARQUETTE IRON RANGE OF MICHIGAN. By G. A. Newett. T. L. S. M. I., vol. 4, p. 87. 22 pages. I.

SOME DIKE FEATURES OF THE GOGEBIC IRON RANGE. By C. M. Bass. T. A. I. M. E., vol. 27, pp. 556, 978.

A COMPARISON OF THE ORIGIN AND DEVELOPMENT OF THE IRON ORES OF THE MESABI AND GOGEBIC IRON RANGES. By C. K. Leith. T. L. S. M. I., vol. 8, p. 75. 8 pages.

THE ORIGIN OF THE IRON ORES OF THE MARQUETTE DISTRICT. E. & M. J., vol. 32, p. 286. 1¼ columns.

NOTES ON THE GEOLOGY OF A NEW IRON DISTRICT IN MINNESOTA. By Kirby Thomas. M. & M., Aug., 1904, p. 27. ½ column.

THE GEOLOGICAL STRUCTURE OF THE WESTERN PART OF THE VERMILION RANGE, MINNESOTA. By H. L. Smyth and J. R. Finlay. T. A. I. M. E., vol. 25, p. 595.

THE VERMILION IRON RANGE IN MINNESOTA. By D. E. Woodbridge. E. & M. J., vol. 75, p. 261. 1½ columns.

THE MESABI IRON RANGE. E. & M. J., vol. 76, p. 343. 3½ columns.

THE VERMILION IRON-BEARING DISTRICT OF MINNESOTA. By J. M. Clements. U. S. G. S., Monograph XLV, 463 pages. 1903.

NOTES ON RECENT WORK ON THE MESABI RANGE. By D. E. Woodbridge. E. & M. J., vol. 76, p. 201. 1½ columns.

THE MESABI IRON-ORE RANGE. By D. E. Woodbridge. E. & M. J., vol. 79, p. 74, I.; p. 122, I.; p. 170, I.; p. 266, I.; p. 319, I.; p. 365, I.; p. 466, I.; p. 557, I.; p. §92, I.

THE MESABI IRON-RANGE. By H. V. Winchell. T. A. I. M. E., vol. 21, p. 644.

VERMILION IRON-BEARING DISTRICT OF MINNESOTA. By Kirby Thomas. M. & M., June, 1904, pp. 546–547.

MESABI IRON RANGE. By Kirby Thomas. M. & M., July, 1903, p. 566. ¾ column.

THE IRON ORES OF THE MESABI RANGE. By J. E. Spurr. E. & M. J., vol. 57, p. 583. 2 columns. I.

IRON ORE MINING ON THE MESABI RANGE. By D. E. Woodbridge. E. & M. J., vol. 56, p. 163. ½ column. I.

THE MESABI IRON-BEARING DISTRICT OF MINNESOTA. By C. K. Leith. U. S. G. S., Monograph XLIII. 316 pages. 1903.

THE IRON RANGES OF MINNESOTA. By H. V. Winchell. T. L. S. M. I., vol. 3, p. 15. 18 pages. I. Map.

A NEW IRON-BEARING HORIZON IN THE KEEWATIN IN MINNESOTA. By N. H. Winchell. T. L. S. M. I., vol. 5, p. 46. 2½ pages.

THE HIGHLAND RANGE IN MINNESOTA. By A. H. Elftman. E. & M. J., vol. 75, p. 447. 1 column.

THE IRON-ORE MINES OF THE MESABI RANGE. By R. Meeks. E. & M. J., vol. 84, p. 193. 9 columns. I.

MINING METHODS ON THE GOGEBIC IRON RANGE. E. & M. J., vol. 84, p. 245. 4 columns. I.

IRON ORE IN CROW WING COUNTY, MINNESOTA. By D. E. Woodbridge. E. & M. J., vol. 84, p. 775. 3⅞ columns.

THE PIONEER IRON MINE, ELY, MINNESOTA. By E. J. Carlyle. J. C. M. I., vol. 7, p. 335. 32 pages. I.

GENESIS OF THE ANIMIKIE IRON RANGE. By F. Hille. J. C. M. I., vol. 6, p. 245. 43 pages.

IRON ORE DEPOSITS OF THE ELY TROUGH, VERMILION RANGE, MINNESOTA. By C. E. Abbott. T. L. S. M. I., vol. 12, p. 116. 26 pages. I.

THE IRON MINES OF PILOT KNOB, MISSOURI. By F. Stapff. E. & M. J., vol. 9, p. 259. 6 columns.

THE IRON MOUNTAIN MINE. By H. M. Beadle. E. & M. J., vol. 60, p. 562. 1 column.

A NEW DISCOVERY OF CARBONATE IRON-ORE AT ENTERPRISE, MISSISSIPPI. By A. F. Brainerd. T. A. I. M. E., vol. 16, p. 146.

A NEWFOUNDLAND IRON DEPOSIT. By R. E. Chambers. T. F. C. M. I., vol. 1, p. 41. 5 pages. I.

SOME OF THE PYRITES DEPOSITS OF PORT AU PORT, NEWFOUNDLAND. By C. A. Meissner. J. M. Soc. N. S., vol. 7, p. 55. 6½ pages. I.

THE CHROMITE-DEPOSITS ON PORT AU PORT BAY, NEWFOUNDLAND. By G. W. Maynard. T. A. I. M. E., vol. 27, p. 283.

THE GEOLOGY OF THE MAGNETITES NEAR PORT HENRY, NEW YORK, AND ESPECIALLY THOSE OF MINEVILLE. By J. F. Kemp. T. A. I. M. E., vol. 27, p. 146.

THE GEOLOGICAL STRUCTURE OF THE RINGWOOD IRON MINES, NEW JERSEY. By F. L. Nason. T. A. I. M. E., vol. 24, p. 505.

THE MAGNETIC IRON ORES OF NEW JERSEY: Their Geographical Distribution and Geological Occurrence. By J. C. Smock. T. A. I. M. E., vol. 2, p. 314.

IRON MINES OF NEW JERSEY. Sch. Mines Quart., vol. 4, p. 111. 10 pages.

IRON ORE IN NEW JERSEY. E. & M. J., vol. 75, p. 674. ½ column.

ERUPTIVE IRON ORES (New Jersey). By F. L. Nason. E. & M. J., vol. 51, p. 693. 1 column.

MAGNETITE DEPOSITS AND MINING AT MINEVILLE, NEW YORK. By J. H. Granbery. E. & M. J., vol. 81, p. 890, 6 columns, I.; p. 986, I.; p. 1082, 8½ columns, I.; p. 1130, 7½ columns, I.; p. 1035, 11 columns, I.

NOTES ON THE GEOLOGY OF THE TILLY FOSTER ORE-BODY, PUTNAM COUNTY, NEW YORK. By F. S. Ruttmann. T. A. I. M. E., vol. 15, p. 79.

IRON ORE DEPOSITS OF THE CHUDADERA MESA, NEW MEXICO. E. & M. J., vol. 78, p. 632. 1½ columns. I.

THE JONES IRON FIELDS OF NEW MEXICO. By N. W. Emmens. Min. Mag., vol. 13, p. 109. 16 columns. I.

NOTES ON NOVA SCOTIA IRON ORES. By E. Gilpin. J. M. Soc. N. S., vol. 1, p. 8, pt. 2. 6½ pages.

THE IRON-ORES OF PICTOU COUNTY, NOVA SCOTIA. By E. Gilpin. T. A. I. M. E., vol. 14, p. 54.

NOTES ON SOME COMPARISONS BETWEEN SOUTHERN AND NOVA SCOTIA IRON METHODS. By C. A. Meissner. T. F. C. M. I., vol. 1, p. 243. 12 pages.

THE NEW WORKS OF THE NEW GLASGOW IRON, COAL AND RAILWAY COMPANY AT FERRONA, NOVA SCOTIA. By W. Stein. J. M. Soc. N. S., vol. 2, p. 75. 9 pages.

PYRITE MINING IN ST. LAWRENCE COUNTY, NEW YORK. By R. B. Brinsmade. E. & M. J., vol. 80, p. 770. 4 columns. I.

PYRITE DEPOSITS OF THE EASTERN ADIRONDACKS, NEW YORK. U. S. G. S., Bull. No. 260, pp. 587–588. 1905.

LIMONITE DEPOSITS OF EASTERN NEW YORK AND WESTERN NEW ENGLAND. U. S. G. S., Bull. No. 260, pp. 335–342. 1905.

THE TITANIFEROUS IRON ORES OF THE ADIRONDACKS [New York]. By J. F. Kemp. U. S. G. S., 19th Ann. Rept., pt. 3, pp. 377–422. 1899.

THE IRON-MINES OF PUTNAM COUNTY, NEW YORK. By A. F. Wendt. T. A. I. M. E., vol. 13, p. 478.

THE SPATHIC IRON ORES OF THE HUDSON RIVER. By R. W. Raymond. T. A. I. M. E., vol. 4, p. 339.

THE LATE DISCOVERY OF LARGE QUANTITIES OF MAGNETIC AND NON-MAGNETIC PYRITES IN THE CROTON MAGNETIC IRON-MINES. By W. H. Hoffman. T. A. I. M. E., vol. 21, p. 513.

MAGNETITE DEPOSITS AND MINING AT MINEVILLE, NEW YORK. By J. H. Granbery. E. & M. J., vol. 81, p. 1178. 5 columns.

MAGNETIC DEPOSITS AT MINEVILLE, NEW YORK: Electric Concentrating Plant. By H. Reis. M. & M., vol. 24, p. 47. 4¼ columns. I.

MAGNETITE DEPOSITS AT MINEVILLE, NEW YORK, AND A DESCRIPTION OF THE NEW ELECTRIC CONCENTRATING PLANT. By Heinrich Reis. M. & M., Sept., 1903, p. 49. 4¼ columns. I.

MAGNETITE MINES AT LYON MOUNTAIN, NEW YORK. By D. H. Newland and N. V. Hansell. E. & M. J., vol. 82, p. 863, 7¾ columns, I.; p. 916, 6¾ columns, I.

HEMATITE MINING IN NEW YORK. By R. B. Brinsmade. E. & M. J., vol. 82, p. 493, 11½ columns, I.; p. 554.

REMARKS ON THE MAGNETITES OF CLIFTON, IN ST. LAWRENCE COUNTY, NEW YORK. By B. Silliman. T. A. I. M. E., vol. 1, p. 364.

BROWN HEMATITE DEPOSITS OF EASTERN NEW YORK AND WESTERN NEW ENGLAND. By E. C. Eckel. E. & M. J., vol. 78, p. 432. 6 columns. I.
Min. Mag., Dec., 1904, p. 418. 1 column.

THE HEMATITE ORE MINES AND BLAST FURNACES EAST OF THE HUDSON RIVER. By J. F. Lewis. T. A. I. M. E., vol. 5, p. 216.

CHROME ORE IN NEW ZEALAND. E. & M. J., vol. 65, p. 190. ½ column.

THE DUHDERLAND IRON-ORE DEPOSITS, NORWAY. E. & M. J., vol. 80, p. 869. 2 columns.

THE SILICEOUS IRON-ORES OF NORTHERN NORWAY. By H. T. Newbigin. T. I. M. E., vol. 15, p. 154. 18 pages. I.

THE IRON ORE DEPOSITS OF VARANGER, NORWAY. By H. Lund. E. & M. J., vol. 77, p. 553. ¾ column.

The Sydvaranger Iron Deposits, Norway. E. & M. J., vol. 81, p. 371. 1½ columns.

So-Called Iron Ore near Portland, Oregon. By J. S. Diller. U. S. G. S., Bull. No. 260, pp. 343–347. 1905.

Notes on the Iron-Ores of Danville, Pennsylvania, with a Description of the Long Wall Method of Mining Used in Working Them. By H. H. Stock. T. A. I. M. E., vol. 20, p. 369.

The Cornwall Iron Mine and Some Related Deposits in Pennsylvania. By T. S. Hunt. T. A. I. M. E., vol. 4, p. 319.

The Paint-Ore Mines at Lehigh Gap. By C. C. Hesse. T. A. I. M. E., vol. 19, p. 321.

The Cornwall Iron-Ore Mines, Lebanon County, Pennsylvania. By E. V. d'Invillins. T. A. I. M. E., vol. 14, p. 873.

The Mining and Washing of Iron Ores at Scotia, Pennsylvania. By H. H. Stock. Coll. Engr. & Met. Miner, vol. 16, p. 101. 4 columns.

Limonite Ores of Pennsylvania. By T. C. Hopkins. M. & M., vol. 21, p. 97. 7 columns. I.

The Mineral Paint Ores of Lehigh Gap, Pennsylvania. By E. C. Eckel. U. S. G. S., Bull. No. 315, pp. 435–437. 1907.

Metallic Paints of the Lehigh Gap District, Pennsylvania. By E. C. Eckel. U. S. G. S., Mineral Resources for 1906, pp. 1120–1122. 1907.

The Iron Mines of Augat, Philippine Islands. By H. D. McCaskey. E. & M. J., vol. 76, p. 736. 2⅞ columns.

The South Russian Iron Industry. By A. P. Head. Engineering, London, vol. 74, p. 860. 9½ columns. I.

Notes on the Iron Industry of the Urals. By H. Louis. T. F. I. M. E., vol. 14, p. 368. 22 pages. I.

Scandinavian Iron-Ore Deposits. E. & M. J., vol. 51, p. 579. ⅞ column.

Scandinavia as a Source of Iron Ore Supply. By J. Head. E. & M. J., vol. 58, p. 171. 2¼ columns.

Iron Ore Mining in Scandinavia. By W. F. Wilkinson. T. I. M. & M., vol. 13, p. 489. 22 pages. I.

The Great Spanish Pyrites Deposits. By J. H. Collins. E. & M. J., vol. 40, p. 79, 1 column; p. 147, 1 column.

Hematite Mining in Spain. M. & M., June, 1903, p. 512. ½ column.

Notes on the Iron Ore Deposits of Bilbao, Northern Spain. By F. D. Adams. J. C. M. I., vol. 4, p. 196. 8 pages. I.

The Iron Ores of Spain and a List of Literature on the Subject. By J. D. Kendall. T. F. I. M. E., vol. 3, p. 604. 14 pages. I.

The Devonian Iron-Ores of Asturias, Spain. By J. A. Jones. T. I. M. E., vol. 18, p. 279. 14 pages.

The Bilbao Iron Mines, Spain. By E. Mackay-Heriot. E. & M. J., vol. 76, p. 510. 6⅔ columns. I.

A Visit to the Pyrites Mines of Spain. By E. D. Peters. E. & M. J., vol. 56, p. 498. 2 columns.

The Pyrites Deposits of Huelva, Spain. By R. E. Carr. E. & M. J., vol. 81, p. 1186. 1½ columns.

The Swedish Iron Industry. By R. Akerman. Engineering, London, vol. 66, p. 309, 3 columns, I.; p. 322, 3 columns; p. 339, 11½ columns, I.; p. 365, 6 columns, I.

The Iron Ore of North Sweden. Engineering, London, vol. 66, p. 323, 5 columns, I.; p. 365, 6 columns, I.

The Grangeberg Iron Mine in Sweden. By J. W. H. Hamilton. E. & M. J., vol. 79, p. 944. 6¾ columns. I.

The Brown Hematite Ore Deposits of South Mountain, between Carlisle, Waynesborough, and the Southeastern Edge of Cumberland Valley. By J. W. Harden. T. A. I. M. E., vol. 1, p. 136.

Some Drift Hematite Deposits in Eastern Tennessee. By E. Nichols. T. A. I. M. E., vol. 10, p. 480.

The Western Iron Belt of Tennessee. By J. B. Killibrew. E. & M. J., vol. 51, p. 695. 1¾ columns.

The Iron Ores of Shady Valley, Tennessee. By F. L. Garrison. E. & M. J., vol. 78, p. 590. 6⅔ columns.

The Western Iron Belt of Tennessee. E. & M. J., vol. 45, p. 18. 2 columns. I.

Magnetic Iron Ores of the Unaka Mountains, North Carolina and Tennessee. E. & M. J., vol. 25, p. 272, 2 columns; p. 293, 1 column.

The Smith Mine, Tennessee: The Location and Quality of the Ores and the Method of Mining, Cleaning and Handling Them. By N. W. Buckhout. M. & M., Feb., 1902, p. 304. 4 columns.

Iron-Ore Deposits of the Cranberry District, North Carolina-Tennessee. By A. Keith. U. S. G. S., Bull. No. 213, pp. 243–246. 1903.

Soft Iron Ore in Tennessee. By E. K. Judd. E. & M. J., vol. 83, p. 567. 1¼ columns.

Iron Ores of Northeastern Texas. U. S. G. S., Bull. No. 260, pp. 348–354. 1905.

The Iron Industry of Texas, Present and Prospective. Iron Age, vol. 76, pp. 478–479. 1905.

Iron-Ores of East Texas. By W. Kennedy. T. A. I. M. E., vol. 24, pp. 258, 862.

The Iron Ores of Eastern Texas. By E. T. Dumble. E. & M. J., vol. 72, p. 104. 1 column.

The Iron Resources of Texas. By Wm. B. Phillips. P. E. Soc. W. Pa., vol. 18, p. 64. 16½ pages.

Pyrites. By R. P. Rothwell. U. S. G. S., Mineral Resources for 1886, pp. 650–675. 1887.

Pyrites. By W. Martin. U. S. G. S., Mineral Resources for 1883–84, pp. 877–905. 1886.

Pyrites. By H. J. Davis. U. S. G. S., Mineral Resources for 1885, pp. 501–517. 1886.

The Pyrites Deposits of the Alleghanies. By A. F. Wendt. Sch. Mines Quart., vol. 7, p. 154, 34 pages, I.; p. 218, 16 pages, I.; p. 301, 24 pages, I.

The Iron-Ores of the United States. By T. S. Hunt. T. A. I. M. E., vol. 19, p. 3.

Chrome in the Southern Appalachian Region. By Wm. Glenn. T. A. I. M. E., vol. 25, p. 481.

Southern Magnetites and Magnetic Separation. By H. S. Chase. T. A. I. M. E., vol. 25, pp. 551, 1015.

The Lake Superior Iron-Ore Region. By H. V. Winchell. T. F. I. M. E., vol. 13, p. 493. 70 pages. I.

The Iron Mines of Lake Superior. E. & M. J., vol. 11, p. 339. 1½ columns.

Iron Ore Mining at Lake Superior. Min. & Sci. Press, vol. 73, p. 7. 1 column.

Iron Ore in Lake Superior Region. By M. P. Hulst. M. & M., vol. 19, p. 413. 3 columns. I.

Lake Superior Mining Region. By Wm. Kelly. M. & M., vol. 20, p. 490. 4¾ columns. I.

Lake Superior Iron Mines in 1899. E. & M. J., vol. 69, p. 47. 3 columns.

Investigations on the Lake Superior Iron Ore Deposits. By U. S. Grant. Min. Mag., Sept., 1904, p. 175, 18 columns. I.

The Iron-Ores of the Middle James River. By P. Frazer. T. A. I. M. E., vol. 11, p. 201.

On the Occurrence of the Brown Hematite Deposits of the Great Valley. By F. Prime. T. A. I. M. E., vol. 3, p. 410.

Recent Notes on Iron Ores. By C. K. Leith and J. M. Boutwell. U. S. G. S., Bull. 225, pp. 215 and 237. 2 columns.
Min. Mag., Aug., 1904, p. 149.

The Ores of Iron: Their Geographical Distribution and Relation to the Great Centres of the World's Iron Industries. By H. Newton. T. A. I. M. E., vol. 3, p. 360.

List of References to the Lake Superior Mineral Resources, Especially Iron-Ore. T. F. I. M. E., vol. 13, p. 547, etc.

Iron in the Rocky Mountain Division. By F. F. Chisolm. U. S. G. S., Mineral Resources for 1883–84, pp. 281–286. 1885.

The Iron Ores East of the Mississippi River. U. S. G. S., Mineral Resources for 1886, pp. 39–98. 1887.

Iron on the Pacific Coast. By C. G. Yale. U. S. G. S., Mineral Resources for 1883–84, pp. 286–290. 1885.

Distribution of Iron Ore Deposits. Rept. Census Office, Mines & Quarries, 1902, p. 408. 13 columns. I.

Iron Ores. U. S. G. S., 19th Ann. Rept., pt. 6, pp. 23–63. 1898.

The American Iron Industry from Its Beginning in 1619 to 1886. By J. M. Swank. U. S. G. S., Mineral Resources for 1886, pp. 23–38. 1887.

Iron and Steel and Allied Industries in All Countries. By J. M. Swank. U. S. G. S., 16th Ann. Rept., pt. 3, pp. 219–250. 1894.

Iron Ores of the United States. U. S. G. S., Bull. No. 260, pp. 317–320. 1905.

Iron Ores of the Western United States and British Columbia. U. S. G. S., Bull. No. 285, pp. 194–200. 1906.

Iron Ores, Pig Iron, and Steel. U. S. G. S., Mineral Resources for 1906, pp. 67–102. 1907.

Southern Red Hematite as an Ingredient of Metallic Paint.

By E. F. Burchard. U. S. G. S., Bull. No. 315, pp. 430–434. 1907.

Iron Ores of the United States. By T. S. Hunt. E. & M. J., vol. 50, p. 601, 2½ columns; p. 622, 4 columns.

Chromite or Chromic Iron Ore. By A. J. Collier. U. S. G. S., Mineral Resources for 1906, pp. 541–542. 1907.

Chromic Iron. By W. Glenn. U. S. G. S., 17th Ann. Rept., pt. 3, pp. 261–273. 1896.

The Lake Superior Iron Ore Region. By D. E. Woodbridge. E. & M. J., vol. 83, p. 66. 6¾ columns.

Iron Ores in the Uinta Mountains, Utah. By J. M. Boutwell. U. S. G. S., Bull. No. 225, pp. 221–228. 1904.

Iron-Ore Deposits of Southern Utah. By W. P. Blake. T. A. I. M. E., vol. 14, p. 809.

Origin of the Magnetic Iron-Ores of Iron County, Utah. By E. P. Jennings. T. A. I. M. E., vol. 35, p. 338. 4 pages. I.

Iron Ores in Southern Utah. U. S. G. S., Bull. No. 225, pp. 229–237. 1904.

The Iron Ores of the Iron Springs District, Southern Utah. By C. K. Leith and E. C. Harder. U. S. G. S., Bull. No. 338.

Origin of the Magnetic Ores of Iron County, Utah. M. & M., Mar., 1905, p. 381.

IRON ORES IN UTAH: The Extent and Locations of a Number of Deposits which May Prove of Great Value to the State. By Don Maguire. M. & M., Mar., 1905, p. 408. 3½ columns. I.

UTAH IRON ORES. E. & M. J., vol. 82, p. 60. ½ column.

HEMATITE OF FRANKLIN COUNTY, VERMONT. By A. F. Brainerd. T. A. I. M. E., vol. 13, p. 689.

THE PYRITES DEPOSITS OF LOUISA COUNTY, VIRGINIA. By W. H. Adams. T. A. I. M. E., vol. 12, p. 527.

IRON-ORES OF THE POTSDAM FORMATION IN THE VALLEY OF VIRGINIA. By Chas. Catlett. T. A. I. M. E., vol. 29, p. 308.

PYRITE MINING IN VIRGINIA. By R. H. Pointer. E. & M. J., vol. 80, p. 148. 3½ columns.

GEOLOGY OF THE LOWMOOR, VIRGINIA, IRON-ORES. By B. Layman. T. A. I. M. E., vol. 14, p. 801.

ORIGIN OF THE IRON PYRITES DEPOSITS IN LOUISA COUNTY, VIRGINIA. By F. L. Nason. E. & M. J., vol. 57, p. 414. 4¼ columns. I.

THE RICH HILL IRON ORES, VIRGINIA. By F. P. Dewey. T. A. I. M. E., vol. 10, p. 77.

THE BROWN ORES OF THE NEW RIVER-CRIPPLE CREEK DISTRICT, VIRGINIA. By R. J. Holden. U. S. G. S., Bull. No. 285, pp. 190–193. 1906.

THE ORISKANY AND CLINTON IRON ORES OF VIRGINIA. U. S. G. S., Bull. No. 285, pp. 183–189. 1906.

THE RICH PATCH IRON TRACT, VIRGINIA. By H. M. Chance. T. A. I. M. E., vol. 29, p. 210.

NOTE ON BLACK-BAND IRON ORE IN WEST VIRGINIA. By S. P. Sharples. T. A. I. M. E., vol. 10, p. 80.

THE IRON-ORES OF THE VALLEY OF VIRGINIA. By A. S. McCreath. T. A. I. M. E., vol. 12, p. 17.

THE IRON-ORES OF VIRGINIA AND THEIR DEVELOPMENT. By E. C. Pechin. T. A. I. M. E., vol. 19, p. 1016.

THE ORISKANY IRON ORES AT RICH PATCH MINES, VIRGINIA. By E. C. Pechin. E. & M. J., vol. 61, p. 113, 1½ columns; p. 134, 1⅓ columns; p. 159, 2½ columns.

VIRGINIA ORISKANY IRON ORES. By E. C. Pechin. E. & M. J., vol. 54, p. 150. 2 columns. I.

THE MINING OF POTSDAM BROWN ORES IN VIRGINIA. By E. C. Pechin. E. & M. J., vol. 52, p. 333. 3 columns.

THE IRON ORES OF THE POTSDAM FORMATION IN THE VALLEY OF VIRGINIA. By C. Catlett. E. & M. J., vol. 68, p. 157. 2 columns.

THE CLEALUM IRON ORES, WASHINGTON. By Geo. O. Smith and B. Willis. T. A. I. M. E., vol. 30, pp. 356–366. 1901.

THE IRON ORES OF SANTIAGO, CUBA. By A. C. Spencer. E. & M. J., vol. 72, p. 633. 6 columns. I.

SANTIAGO IRON MINES: A Description and History of the Principal Iron and Manganese Mines of Cuba. M. & M., vol. 19, p. 109. 4 columns. I.

THE IRON-ORE RANGE OF THE SANTIAGO DISTRICT, CUBA. By J. P. Kimball. T. A. I. M. E., vol. 13, p. 613.

THE BARABOO IRON RANGE. By O. Rohn. E. & M. J., vol. 76, p. 615. 7 columns. I.

IRON ORES OF WISCONSIN. By S. Weidman. E. & M. J., Mar. 30, 1905, p. 610. 5½ columns. I.

THE BARABOO IRON-BEARING DISTRICT, WISCONSIN. By S. Weidman. Geol. Survey of Wis. Rept. 1904; Min. Mag., Dec., 1904, p. 419. 4 columns.

THE HARTVILLE IRON ORE RANGE, WYOMING. By S. H. Ball. U. S. G. S., Bull. No. 315, pp. 190–205. 1907.

THE HARTVILLE IRON ORE DEPOSITS IN WYOMING. By E. P. Snow. E. & M. J., vol. 60, p. 320. 2 columns. I.

THE IRON-MINES OF HARTVILLE, WYOMING. By H. M. Chance. T. A. I. M. E., vol. 30, p. 987.

TITANIFEROUS IRON ORES OF IRON MOUNTAIN, WYOMING. U. S. G. S., Bull. No. 315, pp. 206–212. 1907.

SUNRISE IRON MINE, WYOMING. By B. W. Vallat. M. & M., vol. 28, p. 439. 4 columns. I.

Occurrence of Coal

STRUCTURE OF THE COAL DEPOSITS OF THE TRANS-MISSISSIPPIAN FIELD. By C. R. Keyes. E. & M. J., vol. 65, pp. 253, 280. 2½ columns.

THE GEOLOGICAL POSITION OF TRANS-MISSISSIPPI COALS. BY C. R. Keyes. E. & M. J., vol. 69, p. 528. 2 columns.

CHARACTER AND STRATIGRAPHICAL PECULIARITIES OF THE SOUTHWESTERN IOWA COAL FIELDS. By C. R. Keyes. E. &. M. J., vol. 73, p. 661. 1¼ columns.

GEOLOGY OF THE BLACK MOUNTAIN COAL BED. By H. W. Althouse. E. & M. J., vol. 83, p. 668. 6 columns. I.

CARBONIFEROUS COAL MEASURES IN THE SOUTHWEST. By C. R. Keyes. E. & M. J., vol. 81, p. 1129. 1¾ columns.

THE STRATIGRAPHY OF THE CASCADE COAL BASIN. By D. B. Dowling. J.C.M.I., vol. 8, p. 221. 12½ pages. I.

THE SOUTH LESMAHAGON COAL-FIELD. By J. M. Cairncross. T. I. M. E., vol. 21, p. 234. 16 pages. I.

AQUILAR COAL AND OIL INDUSTRY: A Description of the Geology, the Thickness and Quality of the Coal Veins and the Indications of Oil. By A. Lakes. M. & M., Dec., 1902, p. 196. 5½ columns.

THE COALFIELDS OF THE FARÖE ISLANDS. By G. A. Greener. T. I. M. E., vol. 27, p. 331. 15 pages. I.

THE NORTON COALS IN THE BIG SANDY BASIN. By H. W. Althouse. E. & M. J., vol. 77, p. 235. 4 columns. I.

BANKHEAD COAL MINES. By C. M. Henretta. J. C. M. I., vol. 8, p. 215. 4 pages. I.

THE COAL TRADE AND LIGNITE DEPOSITS OF NORTHERN SOUTH AMERICA. By F. C. Nicholas. E. & M. J., vol. 66, p. 217. 2 columns. I.

THE SOUTH AFRICAN COAL-FIELD. By A. R. Sawyer. T. N. S. I. M. & M. E., vol. 10, p. 161, 40 pages, I.; and p. 217, 18 pages.

THE COAL-FIELDS OF NATAL. By W. T. Heslop. T. I. M. E., vol. 18, p. 410. 20 pages.

NOTES ON THE NATAL COAL-FIELDS. By J. P. Hamilton. T. F. I. M. E., vol. 3, p. 874. 16 pages.

THE GEOLOGY AND COAL-DEPOSITS OF NATAL. By R. A. S. Redmayne. T. F. I. M. E., vol. 4, p. 553. 36 pages.

THE SOUTH RAND COAL-FIELD AND ITS CONNECTION WITH THE WITWATERSRAND BANKET FORMATION. By A. R. Sawyer. T. F. I. M. E., vol.14, p. 312. 16 pages. I.

TRANSVAAL COAL-FIELD. By W. Peile. T. I. M. E., vol. 16, p. 20. 10 pages. I.

NOTES ON THE COAL-SEAMS OF THE TRANSVAAL AND DESCRIPTION OF A MODERN PIT-HEAD PLANT. By W. T. Hallimond. T. F. I. M. E., vol. 13, p. 372. 8 pages. I.

THE COALFIELDS OF CAPE COLONY. By A. Russell. T. I. M. E., vol. 29, p. 228. 30 pages. I.

NOTES ON COAL IN THE TRANSVAAL. By J. J. Whitehead. T. I. M. E., vol. 28, p. 380. 14 pages.

THE TRANSVAAL COAL-FIELDS. By R. Gascoyne. T. F. I. M. E., vol. 13, p. 414. 16 pages.

SOUTH AFRICAN COAL FIELDS. M. & M., May, 1904, p. 504. ½ column.

THE COOSA COAL FIELD IN ALABAMA. By W. M. Brewer. E. & M. J., vol. 56, p. 7. 2 columns. I.

Coal Measures of Blount Mountain, Alabama. By A. M. Gibson. E. & M. J., vol. 57, p. 489. 1 column.

The Alabama Coal Fields: Their Location and Characteristics. By H. McCalley. M. & M., May, 1901, p. 446. 6½ columns.

The Pratt Coal Mines in Alabama. By W. R. Crane. E. & M. J., Jan. 26, 1905, p. 177. 9⅓ columns. I.

Coal and Iron in Alabama. By T. S. Hunt. T. A. I. M. E., vol. 11, p. 236.

The Pratt Mines of the Tennessee Coal, Iron and Railroad Company, Alabama. By E. Ramsay. T. A. I. M. E., vol. 19, p. 296.

Flat Top Mine: A Typical Coal Mine in the Birmingham, Ala., District. By S. H. Lea. M. & M., Mar., 1905, p. 394. 5½ columns. I.

Alabama Coal and Iron. By R. P. Rothwell. T. A. I. M. E., vol. 2, p. 144.

Slope Number 6, Pratt City, Alabama. By Neill Hutchings. M. & M., vol. 20, p. 251. 2 columns. I.

The Alabama Coalfield. Engineering, London, vol. 69, p. 737. 3½ columns.

The Warrior Coal Basin of Alabama: Its Location, Geological Peculiarities, the Thickness of the Coal Seams, and Facilities for Transportation. By H. McCalley. M. & M., vol. 21, p. 268. 2½ columns.

The Coal-Fields of Cook Inlet, Alaska, and the Pacific Coast. By J. Kirsopp. T. I. M. E., vol. 21, p. 516. 50 pages. I.

Coal Resources of the Yukon Basin, Alaska. By A. J. Collier. U. S. G. S., Bull. No. 213, pp. 276–283. 1903.

Report on Coal and Lignite of Alaska. By W. H. Dall. U. S. G. S., 17th Ann. Rept., pt. 1, pp. 763–808. 1896.

The Coal Resources of Alaska. By A. H. Brooks. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 517–571. 1902.

Cannel Coal in Alaska. Coll. Engr., vol. 9, p. 197. 1¾ columns.

The Matanuska Coal Field, Alaska. By W. Griffith. M. & M., vol. 26, p. 433. 8½ columns. I.

The Outlook for Coal-Mining in Alaska. By A. H. Brooks. T. A. I. M. E., vol. 36, p. 489. 20 pages. Map.

The Deer Creek Coal-Fields, Arizona. By W. B. Devereux. E. & M. J., vol. 32, p. 404. 2 columns.

The Arkansas-Indian Territory Coal-Field. By F. Boche. E. & M. J., vol. 76, p. 390. 5 columns. I.

The Bonanza Arkansas Coal Mines. By H. F. Bain. E. & M. J., vol. 66, p. 579. 1½ columns.

Horizons of Arkansas and Indiana Territory Coals Compared with Those of Other Trans-Mississippi Coals. By C. R. Keyes. E. & M. J., vol. 71, p. 692. 2½ columns. I.

Preliminary Report on the Camden Coal Field of Southwestern Arkansas. U. S. G. S., 21st Ann. Rept., pt. 2, pp. 313–329. 1900.

The Coal Fields of Arkansas and Indian Territory. By C. Scholz. Min. Mag., vol. 11, p. 520. 10 columns. I.

Arkansas Anthracite Coal. E. & M. J., vol. 73, p. 277. 1 column. I.

Coal Mining in Arkansas. By W. R. Crane. E. & M. J., vol. 80, p. 774. 8 columns. I.

Coal in Asia Minor. E. & M. J., vol. 66, p. 218. 1 column.

Coal and Petroleum in Central Asia. By E. D. Levat. E. & M. J., vol. 77, p. 565. 4¼ columns.

The Sidney Coalfield. By H. Fletcher. J. M. Soc. N. S., vol. 3, p. 112. 13 pages. I.

Anthracite Coal in Australia. By J. Plummer. E. & M. J., vol. 77, p. 568. ⅔ column.

The Coal-Fields of Australasia. By S. H. Cox. T. F. I. M. E., vol. 2, p. 321. 23 pages. I.

COAL MINING IN QUEENSLAND. By E. S. Wright. E. & M. J., vol. 57, p. 270. ½ column.

AUSTRALIAN COAL. E. & M. J., vol. 59, p. 56. ⅜ column.

COAL AND MINES OF SOUTH WALES: Why Welsh Coal can Withstand Competition and yet Command a Higher Price. By A. Howells. M. & M., May, 1901, p. 459. 3 columns.

AUSTRALASIAN (New South Wales) COAL. Engineering, London, vol. 70, p. 156. 1¾ columns.

NOTES ON THE COAL-FIELDS OF NEW SOUTH WALES. By G. B. Walker. T. F. I. M. E., vol. 2, p. 268. 52 pages.

THE COAL-FIELDS SOUTH OF SYDNEY, NEW SOUTH WALES. By J. R. M. Robertson. T. F. I. M. E., vol. 4, p. 83. 30 pages.

THE CARPANO COALFIELD, ISTRIA, AUSTRIA. E. & M. J., vol. 59, p. 54. ⅔ column.

NEW COAL BEDS OF BELGIUM. M. & M., May, 1904, p. 507. ¼ column.

UNITED COLLIERIES OF THE WEST OF MONS, BOUSSU, BELGIUM. E. & M. J., vol. 59, p. 291. 1 column.

THE COAL-FIELD OF NORTHERN BELGIUM. By E. Harzé. T. I. M. E., vol. 23, p. 668. 16 pages. I.

THE COAL FIELDS OF RIO GRANDE DO SUL, BRAZIL. By R. Henschel. E. & M. J., vol. 10, p. 66. 3½ columns. I.

THE FUTURE OF THE COAL AND COKE SUPPLY OF BRITISH COLUMBIA. By W. Blakemore. J. C. M. I., vol. 6, p. 224. 8 pages.

PIONEER WORK IN THE CROW'S NEST COAL AREAS. By Wm. Blakemore. J. C. M. I., vol. 4, p. 230. 14 pages. I.

THE COAL CREEK COLLIERY OF THE CROW'S NEST PASS COAL COMPANY. By C. V. Corless. J. C. M. I., vol. 4, p. 155. 19 pages. I.

BRITISH COLUMBIA COAL FIELDS. By W. M. Brewer. E. & M. J., vol. 73, p. 408. 9 columns. I.

THE COOS BAY COAL-FIELDS. By C. Rockwell. E. & M. J., vol. 73, p. 238, 7½ columns, I.; and p. 270, 6 columns, I.

THE CROW'S NEST PASS COAL-FIELDS. By W. M. Brewer. E. & M. J., vol. 73, p. 549, 8 columns, I.; and p. 757, 2½ columns.

THE COMOX AND QUATSING COAL-FIELDS, VANCOUVER ISLAND, BRITISH COLUMBIA. By W. M. Brewer. E. & M. J., vol. 74, p. 180. 4 columns.

THE CASSIAR COALFIELDS IN BRITISH COLUMBIA. By J. J. Bell. E. & M. J., vol. 83, p. 1007. 2 columns. I.

NOTES ON THE CROW'S NEST COALFIELD, BRITISH COLUMBIA. By J. Ashworth. T. I. M. E., vol. 29, p. 330. 7 pages.

NOTES ON THE SPECIAL FEATURES OF COAL MINING IN THE CROW'S NEST, BRITISH COLUMBIA. By J. McEvoy. J. C. M. I., vol. 7, p. 500. 5 pages.

THE CROW'S NEST PASS COAL MINE. By C. V. Corliss. E. & M. J., vol. 71, p. 810. 3½ columns. I.

COAL MINING ON VANCOUVER ISLAND. By R. L. Watson. M. & M., vol. 21, p. 249. 5 columns. I.

GRAHAM ISLAND COAL, VANCOUVER. E. & M. J., vol. 78, p. 631. 2 columns.

THE VANCOUVER COAL MINES. By A. E. Smith. M. & M., July, 1901, p. 539.

COAL DISCOVERY IN ONTARIO (Sudbury District). By A. McCharles. E. & M. J., vol. 62, p. 52, ⅓ column; and p. 512, ⅔ column.

THE CANADIAN COAL FIELDS. E. & M. J., vol. 57, p. 345. 1 column.

THE COAL-FIELDS OF NEW BRUNSWICK, CANADA. By H. S. Poole. T. I. M. E., vol. 23, p. 40. 8 pages. I.

THE BLAIRMORE-FRANK COAL FIELD, ALBERTA, CANADA. By E. Jacobs. M. & M., vol. 25, p. 359. 5½ columns. I.

The Distribution and Extent of the Coal Fields of British America. E. & M. J., vol. 9, p. 339. 2 columns.

The Coal Fields of Canada: Districts and Methods of Working. By W. H. Merritt. Coll. Engr. & Met. Miner, vol. 14, p. 7, 3½ columns, I.; p. 40, 2⅓ columns; p. 64, 4⅓ columns, I.; p. 90, 4 columns, I.; p. 121, 2½ columns; p. 146, 3⅔ columns, I.; p. 173, 7½ columns, I.; p. 201, 4½ columns, I.; p. 229, 3½ columns.

The Coal Fields of Canada. By W. H. Merritt. Coll. Engr., vol. 13, p. 232, 3 columns, I.; p. 250, 2⅔ columns; p. 278, 2⅔ columns, I.

Coal in Alberta, Canada. By P. Thompson. E. & M. J., vol. 82, p. 924. 1 column.

Notes on Some Western Coals (Ontario). By J. C. Gwillim. J. C. M. I., vol. 7, p. 422. 3 pages.

The Coal Beds of California. By H. W. Fairbanks. E. & M. J., vol. 62, p. 10. 1 column.

Tesla Coal Mines. By F. J. Horsewell. M. & M., vol. 19, p. 145. 6 columns. I.

The Deep River Coal-Field of North Carolina. By H. M. Chance. T. A. I. M. E., vol. 13, p. 517.

Notes on the Dan River Coal Basin in North Carolina. E. & M. J., vol. 51, p. 448. 1 column.

Coals in Western North Carolina. By W. B. Phillips. E. & M. J., vol. 60, p. 613. 2½ columns.

The Deep River Coalfield of North Carolina and the Egypt Coal Company's Plant. By E. G. Tuttle. E. & M. J., vol. 58, p. 441. 1¼ columns.

Coal in Colombia. E. & M. J., vol. 60, p. 609. 1 column.

The Mineral Fuels of Chile. E. & M. J., vol. 59, p. 609. 1½ columns.

Coal-Fields of Chile, South America. By R. Gascoyne. T. I. M. E., vol. 15, p. 234, 10 pages; and p. 244, 6 pages.

Coal-Fields of Indo-China. By M. G. H. Monod. Min. Mag., Jan., 1905, p. 76. 2 columns.

Coal and Iron in Eastern China. By C. D. Jameson. E. & M. J., vol. 66, p. 365. 6 columns. I.

The Coal and Iron Deposits of Eastern China. By A. Kurita. E. & M. J., vol. 65, p. 491. 2½ columns. Map.

The Hongay-Haton Coal Field in Tonkin. By F. Brard. E. & M. J., vol. 63, p. 572. 1 column.

The Coal-Fields of Northeastern China. By N. F. Drake. T. A. I. M. E., vol. 31, pp. 492, 1008.

The Coal-Fields Around Tsê, Shansi, China. By N. F. Drake. T. A. I. M. E., vol. 30, p. 261.

Coal Mining in China. E. & M. J., vol. 57, p. 345, ⅔ column; and vol. 77, p. 428, 1⅔ columns.

Coal Deposits of Japan, Chili and Manchuria. Min. Mag., vol. 11, p. 472. 11 columns. I.

Coal in Manchuria. E. & M. J., vol. 80, p. 780. ½ column.

The Kaiping Coal Mines and Coal Fields, Chili Province, North China. By H. C. Hoover. T. I. M. & M., vol. 10, p. 419. 10 pages. I. Map.

The Coal Fields of China. By L. Ramakers. M. & M., vol. 26, p. 417. 2 columns.

The Hsüan Hua Coal Fields, China. By N. F. Drake. Min. Mag., vol. 13, p. 295. 16 columns. I.

The Humboldt-Pocahontas Vein, Rosita, Colorado. By R. N. Clark. T. A. I. M. E., vol. 7, p. 21.

Mount Diablo Coal Mines. Min. & Sci. Press., vol. 27 p. 50. ⅔ column.

The Colorado Fuel and Iron Company. By L. Lewis. E. & M. J., vol. 82, p. 1202. 7⅞ columns. I. Map.

The Tertiary Coal-Beds of Canyon City, Colorado. By R. N. Clark. T. A. I. M. E., vol. 1, p. 293.

THE DEVELOPMENT OF A NEW COAL FIELD IN COLORADO. By L. B. Merriam. J. W. Soc. E., vol. 8, p. 617. 22 pages. I.

ANTHRACITE COAL MINING IN COLORADO. By R. M. Hosea. E. & M. J., vol. 82, p. 399. 8 columns. I.

THE MINES OF THE COLORADO FUEL AND IRON COMPANY, COLORADO. E. & M. J., vol. 83, p. 132. 8 columns. I.

THE BOOK CLIFF COAL MINES: Coal Seams Near Grand Junction, Colorado, which Exhibit Interesting Peculiarities. By A. Lakes. M. & M., Jan., 1904, p. 289.

THE OCCIDENTAL AND OTHER COAL MINES OF HUERFANO COUNTY, COLORADO. By A. Lakes. M. & M., May, 1905, p. 473. 3 columns. I.

COLORADO ANTHRACITE. By A. Lakes. M. & M., vol. 26, p. 275. 3¼ columns. I.

SIMPSON MINE (LIGNITE), LAFAYETTE, COLORADO. By E. D. Rust. M. & M., vol. 26, p. 385. 3½ columns. I.

COLORADO COALS. By A. Lakes. Coll. Engr., vol. 13, p. 39. 2½ columns.

THE CURTIS COAL MINE: Description of a Valuable Lignite Deposit Near Colorado Springs, Colorado. By A. Lakes. M. & M., vol. 21, p. 298. ⅔ column. I.

THE COAL DEPOSITS OF BOULDER COUNTY, COLORADO. By A. Walters. Am. Jour. Min., vol. 4, p. 242. 1 column.

THE NEWCASTLE MINES: One of the Colorado Fuel and Iron Company's Most Extensive Coal Mining Plants. By R. M. Hosea. Coll. Engr. & Met. Miner, vol. 17, p. 377, 11½ columns, I., and p. 425, 8½ columns.

THE EL PASO COAL FIELD. By A. Lakes. M. & M., vol. 18, p. 483. 2 columns. I.

ANTHRACITE IN THE ROCKIES: The Causes which Produced It and the Methods Used in Mining and Preparing It. By R. M. Hosea. M. & M., vol. 18, p. 529, 9 columns, I.; and vol. 19, p. 7, 6 columns, I.

COAL-FIELDS OF COLORADO: The Various Qualities of the Coals and the Extent of the Different Fields. By A. Lakes. M. & M., vol. 19, p. 541. 6 columns. I.

GRAND RIVER COAL-FIELD OF COLORADO. By A. Lakes. M. & M., vol. 20, p. 110. 4 columns. I.

THE SPANISH PEAKS COAL REGION IN SOUTHERN COLORADO. By A. Lakes. M. & M., May, 1902, p. 463. 3 columns.

TERCIO AND CUATRO MINES, COLORADO: Coal Washing and Coking Plant of the Colorado Fuel and Iron Company. By R. M. Hosea. M. & M., Dec., 1904, p. 218.

THE YAMPA COAL FIELDS: A Description of the Anthracite, Bituminous, and Lignite Field Traversed by the Moffatt Road in Routt County, Colorado. By A. Lakes. M. & M., Jan., 1904, p. 250.

THE TRINIDAD OR EL MORO COAL REGION OF COLORADO: Abstract of Monograph. By R. C. Hills. M. & M., Jan., 1903, p. 254. 5½ columns.

THE YAMPA COAL-FIELDS OF COLORADO. By W. Weston. Min. Mag., Oct.-Nov., 1904, p. 325. 1 column.

THE NORTHWESTERN COLORADO COAL-REGION. By G. C. Hewett. T. A. I. M. E., vol. 17, p. 375.

THE TERTIARY COAL-BEDS OF CANYON CITY, COLORADO. By R. N. Clark. T. A. I. M. E., vol. 1, p. 293.

THE PICTOU COAL-FIELD. By H. S. Poole. T. A. I. M. E., vol. 14, p. 403.

THE WALSENBURG COAL DISTRICT OF COLORADO. By R. C. Hills. M. & M., Feb., 1904, p. 339. 7 columns.

COLORADO COAL-FIELDS. E. & M. J., vol. 35, p. 18. 2 columns.

THE COAL-FIELDS OF ROUTT COUNTY, COLORADO. E. & M. J., vol. 74, p. 579. 5½ columns. I.

The Coals of Colorado. By J. S. Newberry. Sch. Mines Quart., vol 9, p. 327. 14 pages.

Coal Mines of Pictou: A Description of the Mines of the Colorado Fuel and Iron Company, the Methods of Operation, and the Geological Formations. By Frank Meade. M. & M., vol. 21, p. 1. 5 columns. I.

Coal in North Dakota: A Description of the Extent and Location of the Formations and the Various Qualities of the Coal. By E. J. Babcock. M. & M., vol. 19, p. 254. 1⅓ columns.

A General Description of the South Staffordshire Coal-Field, South of the Bentley Fault, and the Methods of Working the Ten-Yard or Thick Coal. By W. F. Clark. T. F. I. M. E., vol. 3, p 25. 25 pages. I.

The Dysart, Wemyss and Leven Coal-Field, Fifeshire. By R. Kirkby. T. I. M. E., vol. 23, p. 291. 20 pages. I.

The Geological Features of the Somerset and Bristol Coal-Field, with Special Reference to the Physical Geography of the Somerset Basin. By J. McMurtrie. T. I. M. E., vol. 20, p. 306. 33 pages. I.

The Probable Duration of the Scottish Coal-Fields. By R. W. Dron. T. I. M. E., vol. 18, p. 194. 18 pages.

Coal Mining in North Staffordshire, England. By A. A. Atkinson. Coll. Engr., vol. 13, p. 58. 3¼ columns.

Geology of the Coal-Field of Northumberland and Durham. By C. J. Murton. T. F. I. M. E., vol. 3, p. 620. 11 pages. I.

The Geology of the Southern Portion of the Yorkshire Coal-Field. By R. Russell. T. F. I. M. E., vol. 1, p. 101, 21 pages; and p. 215, 6 pages.

The Probable Range of the Coal-Measures in Southern England. By W. B. Dawkins. T. F. I. M. E., vol. 7, p. 533. 13 pages. I.

Geology of the West Yorkshire Coal-Field. By A. Lupton. T. F. I. M. E., vol. 7, p. 137. 12 pages. I.

The Correlation of the Coal-Fields of Northern France and Southern England. By M. Bertrand. T.F.I.M.E., vol. 5, p. 106. 32 pages.

The Culm-Measure Types of Devon, Great Britain. By W. A. E. Ussher. T. I. M. E., vol. 20, p. 360. 31 pages. I.

The Dover Coalfield in England. By E. Walker. E. & M. J., vol. 84, p. 692. 9½ columns. I.

The Leading Features of the Lancashire Coal-Field. By J. Dickinson. T. I. M. E., vol. 30, p. 357. 13 pages.

The Carboniferous Limestone Coal-Fields of West Lothian. By H. M. Cadell. T. I. M. E., vol. 27, p. 372. 30 pages.

Number Four Pit, Brayton Domain Collieries, Cumberland, England. By R. P. Cowen. J. C. M. I., vol. 9, p. 402. 10 pages. I.

The Thick Coal of Warwickshire. By J. T. Browne. T. I. M. E., vol. 33, p. 502. 28 pages.

Hidden Coal-Fields of the Midlands, England. By C. Lapworth. T. I. M. E., vol. 33, p. 26. 25 pages. I.

The Cannock, Rugeley, Clay Croft, Lye Cross Pit, and Walsall Wood Collieries. T. F. I. M. E., vol. 3, p. 69. 10 pages. I.

Kent (Coal in). By W. Tapley. T. F. I. M. E., vol. 1, p. 376, 14 pages, I.; and vol. 11, p. 540, 11 pages.

Undersea Coal of the Northumberland Coast. By T. E. Forster. T. I. M. E., vol. 24, p. 421. 20 pages.

The Douglass Coal-Field, Lanarkshire. By R. Weir. T. I. M. E., vol. 16, p. 436. 10 pages. I.

Eastern Limits of the Midland Coal-Field, England. By E. Hull. T. F. I. M. E., vol. 11, p. 9. 12 pages. I.

The Southern Ayrshire Coal-Fields. By R. W. Dron. T. F. I. M. E., vol. 10, p. 378. 10 pages.

The North Staffordshire Coal and Iron District. By W. H. Merritt. T. A. I. M. E., vol. 8, p. 333.

Geology of the South Wales Coal-Fields. Engineering, London, vol. 79, p. 791. 3 columns. I.

The Kent Coal-Field, England. E. & M. J., vol. 61, p. 469. ½ column.

Coal Mining in Borneo. By J. Roden. T. I. M. E., vol. 28, p. 236. 8½ pages.

The Coal-Fields of Labuan, Borneo. By R. Fisher. T. F. I. M. E., vol. 7, p. 587. 14 pages.

Coal in Brunel, Borneo. By D. G. Durnford. E. & M. J., vol. 59, p. 579. ⅔ column.

The Coal-Fields of Malaysia. By J. A. Hooze. T. F. I. M. E., vol. 3, p. 323. 36 pages. I. Maps.

Possible Extensions of the Coal-Fields of France. By J. Bergeron. T. F. I. M. E., vol. 12, p. 335. 26 pages. I.

The Aniche Collieries, Nord, France. E. & M. J., vol. 60, p. 4. 1 column.

The Lens Collieries. By M. W. Brown. T. F. I. M. E., vol. 3, p. 1021. 8 pages. I.

A New French Coal-Field. E. & M. J., vol. 80, p. 1072. 1 column.

The Westphalian Coal-Field in Germany. By A. Kowatsch. E. & M. J., vol. 62, p. 585. 2 columns.

The Upper Silesian Coal Field. By C. Gaebler. E. & M. J., vol. 65, p. 373. ⅓ column.

Discovery of Coal in Honduras. M. & M., Mar., 1904, p. 387.

Graphitic Anthracite in the Parker Mine, Wood River, Idaho. By W. P. Jenney. Sch. Mines Quart., vol. 10, p. 313. 3 pages. I.

The Long-Wall Coal-Mining Region of Grundy County, Illinois. E. & M. J., vol. 62, p. 487. 2 columns. I.

Coal Mines at Streator: An Interesting Description of the Important Coal Fields and Mines in La Salle County, Illinois. By A. Dinsmore. M. & M., vol. 21, p. 145. 5 columns. I.

The Fossil Fuels of Illinois and Their Exploitation. E. & M. J., vol. 44, p. 24. 1¾ columns.

An Illinois Coal-Field: Northeastern District. By A. Dinsmore. M. & M., vol. 20, p. 106. 5 columns. I.

Mine No. 17, Connellsville, Illinois. By C. H. Smith. M. & M., vol. 28, p. 16. 2 columns. I.

The Wilmington, Illinois, Coal-Field. By J. Johnson. T. A. I. M. E., vol. 3, p. 188.

The Western Interior Coal-Fields. By H. F. Bain. U. S. G. S., 22d Ann. Rept., 1900–1901, Pt. 3, Coal, Oil, Cement. Map.

The Illinois Coal-Field. By G. S. Rice. Min. Mag., Mar., 1905, p. 237.

Mine No. 2, St. Louis and O'Fallon Coal Company, Illinois. M. & M., vol. 26, p. 481. 6¼ columns. I.

The Coals of Illinois. By S. W. Parr. E. & M. J., vol. 81, p. 86. 3½ columns.

Recent Work in the Coal Fields of Indiana and Illinois. By M. L. Fuller and G. H. Ashley. U. S. G. S., Bull. No. 213, pp. 284–293. 1903.

The Eastern Interior Coal Field (Illinois and Indiana). By G. H. Ashley. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 265–306. 1901.

Coal Mining in Eastern Illinois. By F. W. Parsons. E. & M. J., vol. 83, p. 336. 7 columns. I.

A Modern Coal Mine: Midland Coal Company, Illinois. By M. F. Peltier. E. & M. J., vol. 82, p. 1212. 7 columns. I.

The Coal Supplies of Polk County, Iowa. By F. Davis. E. & M. J., vol. 59, p. 149. 2 columns.

The Coal Measures of Iowa. By C. R. Keyes. E. & M. J., vol. 57, p. 269, 3 columns, I.; p. 295, 4 columns; p. 317, 2 columns.

Appanoose County Coal Field, Iowa. By J. J. Rutledge. M. & M., vol. 21, p. 345. 3 columns.

Coal Mining in Indiana. By G. H. Ashley. M. & M., vol. 20, p. 246. 6 columns. I.

Coal Mining in Indiana: The Geological Features of the Coal Field and a Description of Methods of Working. By G. H. Ashley. M. & M., vol. 20, p. 202, 7½ columns, I.; and p. 246, 6 columns, I.

E. & M. J., vol. 80, p. 254. 1½ columns.

The Ohio and Indiana Coal-Fields. By G. H. Ashley. Min. Mag., Mar., 1905, p. 233.

The Block Coal Region of Indiana. E. & M. J., vol. 63, p. 162. 1 column.

Mining Indiana Coal: The Profitable Amount to Mine from the "L" Seam; How to Mine It and Prevent Creeps and Squeezes. By P. J. Mooney. M. & M., vol. 18, p. 439. 2¾ columns. I.

The Makum Coal-Field in Assam. By G. E. Harris. E. & M. J., vol. 71, p. 116. 1⅙ columns.

Coal Mining in India. M. & M., Dec., 1902, p. 201. 1 column.

An Indian Colliery and Its Miners. By H. M. Cadell. M. & M., Sept., 1901, p. 81. 4 columns.

The Coal Fields of India. E. & M. J., vol. 60, p. 201. ½ column.

Coal Mining in India. E. & M. J., vol. 59, p. 219. ½ column.

Coal-Mining in Assam, India. By G. Turner. T. F. I. M. E., vol. 10, p. 356. 8 pages. I.

Singareni Coal-Field, Hyderabad, India. By J. P. Kirkup. T. F. I. M. E., vol. 6, p. 421. 28 pages.

Coal-Mining in India. By R. W. Clarke. T. I. M. E., vol. 22, p. 184. 8 pages.

Indian (India) Coal. Engineering, London, vol. 72, p. 222. 2 columns.

The Bengal Coalfields and Some Methods of Pillar-Working in Bengal, India. By G. A. Stonier. T. I. M. E., vol. 28, p. 537. 20 pages. I.

Coal in Ireland. E. & M. J., vol. 68, p. 246. ½ column.

Coal Mining in Italy. By P. Le Neve Foster. E. & M. J., vol. 18, p. 97. 2 columns. I.

The Miike Coal-Field in Japan. E. & M. J., Feb. 18, 1899, p. 203. 2¾ columns. I.

Iron and Coal Trades Rev. (London), Jan. 6, 1899.

Japanese Coal-Fields. T. A. I. M. E., vol. 5, p. 246.

Japanese Coal Mines: A Brief Description of the Mining Department of the Hokkaido Colliery and Railroad Company of Japan; Sorachi Colliery. By K. Yonekra. M. & M., May, 1904, p. 508. 4½ columns. I.

Japanese Coal Mines. By K. Yonekra. M. & M., June, 1904, pp. 533–534.

The Yubari Coal Mines of Japan. M. & M., May, 1903, p. 435.

Coal Deposits of Japan, Chili, and Manchuria. Min. Mag., vol. 11, p. 472. 11 columns. I.

Coal Fields of Kansas: Recent Discoveries and Developments in the Cretaceous Formation in the Northern Central Part of the State. By W. R. Crane. M. & M., Sept., 1903, p. 94. 1½ columns. I.

The Western Interior Coal Field (Iowa, Missouri, and Kansas). By H. F. Bain. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 333–366. 1902.

The Kansas Coal Mines of the Mississippi Valley. By W. R. Crane. E. & M. J., vol. 74, p. 514. 9 columns. I.

Kansas Coal Mining. By W. R. Crane. E. & M. J., vol. 72, p. 748. 16 columns. I.

The Eastern Coal-Region of Kentucky. By G. Macfarlane. T. A. I. M. E., vol. 25, p. 518.

The Coalton Coal-Field: A Description of an Interesting Kentucky Coal Field. By A. Roy. M. & M., vol. 20, p. 123. 1 column.

The Bituminous Coal Field of Maryland. By D. White. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 201–214. 1902.

Ocean No. 7 or "Klondike." Georges Creek Region, Maryland. By J. J. Rutledge. M. & M., vol. 26, p. 5. 8 columns. I.

Natural Coke of the Santa Clara Coal Field, Sonora, Mexico. By E. T. Dumble. T. A. I. M. E., vol. 29, p. 546.

The Cerrillos Anthracite Mines. By A. Lakes. M. & M., vol. 21, p. 341. 1½ columns. I.

The Sabinas Coalfield, Mexico. By E. G. Tuttle. E. & M. J., vol. 58, p. 390. 3½ columns. I.

The Coal-Fields of Sonora, Mexico. By J. Overend. T. F. I. M. E., vol. 7, p. 230. 4 pages.

The Coalfields of Mexico. E. & M. J., vol. 57, p. 535. ¾ column.

Coals in Mexico: Santa Rosa District. By W. H. Adams. T. A. I. M. E., vol. 10, p. 270.

The Coal-Fields of Las Esperanzas, Coahuila, Mexico. By E. Ludlow. T. A. I. M. E., vol. 32, p. 140.

Las Esperanzas Coal Mines, Mexico. By E. Ludlow. E. & M. J., vol. 71, p. 331. 2 columns. I.

A Coking Coal in Chihuahua. By W. B. Phillips. E. & M. J., vol. 79, p. 661. 4 columns. I.

Coal and Coal-Mining in Michigan. By C. Holmes. E. & M. J., vol. 68, p. 335. 4 columns.

The Coal Basin of Michigan. By A. C. Lane. E. & M. J., vol. 69, p. 767. 3 columns. I.

Coal Mining in Michigan. By C. Holmes. M. & M., vol. 20, p. 59. 7 columns. I.

The Northern Interior Coal Field [Michigan]. By A. C. Lane. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 307–332. 1902.

Pere Marquette Coal Mines of Michigan. By R. A. Randall. M. & M., vol. 21, p. 100. 1 column. I.

Michigan Coal Mines. E. & M. J., vol. 75, p. 673. ½ column.

Mining the Coal Measures of Michigan. By L. Fraser. E. & M. J., vol. 84, p. 1024. 4 columns. I.

Coal Mining in Michigan. By L. Fraser. E. & M. J., vol. 84, p. 594. 6 columns. I.

The Coal-Fields of Missouri. By B. F. Bush. T. A. I. M. E., vol. 35, p. 903. 16 pages. I.

A Missouri Coal-Field. By Wm. Griffith. E. & M. J., vol. 77, p. 564. 3½ columns. I.

Mine No. 15, Rich Hill, Missouri. By C. Evans. M. & M., vol. 20, p. 412. 1½ columns. I.

Notes on the Mining of Thin Coal Seams in Missouri and Kansas. By A. Winslow. E. & M. J., vol. 53, p. 204. 4½ columns. I.

Local Coal Deposits of Missouri. E. & M. J., vol. 17, pp. 289, 305. I.

The Montana Coal-Fields. By J. P. Rowe. Min. Mag., Mar., 1905, p. 241.

The Rocky Mountain Coal Fields [Montana, Wyoming, Colorado, Utah, New Mexico]. By L. S. Storrs. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 415–472. 1902.

Geological Notes: The Great Falls Coal Field, Montana. By J. S. Newberry. Sch. Mines Quart., vol. 8, p. 327. 8 pages.

Flathead Coal Basin, Montana. By H. Wood. E. & M. J., vol. 54, p. 57. ¾ column.

The Coal Fields of Montana. E. & M J., vol. 55, p. 197. 1¾ columns.

Notes on the Coal Fields of Montana. By W. H. Weed. Sch. Mines Quart., vol. 12, p. 128. 4 pages.
E. & M. J., vol. 55, p. 197. 1¾ columns. I.

The Coal Fields of Montana. By W. H. Weed. E. & M. J., vol. 53, p. 520, 3⅔ columns; p. 542, 2⅓ columns, I.

Coal in Montana. Min. & Sci. Press, vol. 89, p. 427, 3 columns; p. 441, 1¾ columns.

The Operation of Coal Mines in Montana. By F. W. Parsons. E. & M. J., vol. 84, p. 1071. 11 columns. I.

Coalfields of Montana. By F. W. Parsons. E. & M. J., vol. 84, p. 978. 11½ columns. I.

Montana Coal Mines. By J. P. Rowe. M. & M., vol. 27, p. 481. 7½ columns. I.

Coal in Nebraska. By A. W. Clapp. E. & M. J., vol. 73, p. 481. ½ column.

New Coal Developments in Northern New Mexico. By E. W. Judd. E. & M. J., vol. 80, p. 300. 6 columns. I.

A New Coal Field in Northwestern New Mexico. By A. Lakes. M. & M., vol. 21, p. 375. 3⅔ columns. I.

Remarks on the Occurrence of Anthracite in New Mexico. By R. W. Raymond. T. A. I. M. E., vol. 2, p. 140.

The Coal, Graphite and Oil Field of Raton, New Mexico. By A. Lakes. M. & M., Mar., 1902, p. 150. 5⅔ columns.

A New Rocky Mountain Coal-Field, Salado, New Mexico. M. & M., vol. 19, p. 123. 2 columns. I.

The Hagan Coalfield. By C. R. Keyes. E. & M. J., vol. 78, p. 670. 4 columns. I.

The Cerrillos Anthracite Mines. By A. Lakes. M. & M., vol. 21, p. 341. 1½ columns. I.

Coal Mining in New Mexico. By J. E. Sheridan. Min. Mag., vol. 13, p. 238. 5 columns.

Mescol Cañon Coalfield, New Mexico. By C. R. Keyes. E. & M. J., vol. 83, p. 957. 2 columns+. I.

The Koehler Coal Mine, New Mexico. By F. A. Young. M. & M., vol. 28, p. 520. 7 columns. I.

New Developments in Coalfields of New Mexico. By E. K. Judd. E. & M. J., vol. 84, p. 8. 7 columns. I.

Nova Scotia Coal. Engineering, London, vol. 73, p. 788. 1½ columns.

On the Possible Occurrence of a Coal Area beneath the Neo-Carboniferous or Peruvian Strata of Pictou County, Nova Scotia. By H. M. Ami. J. C. M. I., vol. 5, p. 358. 6 pages. I.

Sidney Coal Mines, Cape Breton. E. & M. J., vol. 54, p. 221. ⅔ column.

Coal Mining in Nova Scotia. By E. Gilpin. Coll. Engr., vol. 10, p. 3. 8½ columns. I.

Submarine Coal Mining in Nova Scotia. E. & M. J., vol. 82, p. 354. 1½ columns.

Notes on the Drummond Colliery, Westville, Nova Scotia. By C. Fergie. J. M. Soc. N. S., vol. 1, pt. 4, p. 41. 7 pages.

Limits of the Workable Coals of the Cumberland Coal Fields in Nova Scotia. By H. Fletcher. J. M. Soc. N. S., vol. 8, p. 123. 5 pages.

Notes on the Grand Lake Coal Field of New Brunswick. By R. G. E. Leckie. T. F. C. M. I., vol. 1, p. 67. 5 pages.

Carboniferous Coal in Nevada. By A. J. Brown. T. A. I. M. E., vol. 3, p. 31.

A Nevada Coal Field. By W. J. Stoneham. E. & M. J., vol. 77, p. 1009. 1¾ columns.

THE COAL FIELDS OF ESMERALDA COUNTY, NEVADA. By M. A. Knapp. Min. & Sci. Press, vol. 74, p. 133. 2 columns. I.

NOTES ON THE COALFIELDS OF NEW ZEALAND. By James Park. T. I. M. & M., vol. 8, p. 148.

THE CONGO COAL MINE IN OHIO. E. & M. J., vol. 63, p. 259. 1½ columns.

THE HOCKING VALLEY COAL REGION IN OHIO. E. & M. J., vol. 63, p. 213. 1 column.

THE COALS OF THE HOCKING VALLEY, OHIO. By T. S. Hunt. T. A. I. M. E., vol. 2, p. 273.

THE COAL AND IRON OF THE HOCKING VALLEY, OHIO. By T. S. Hunt. T. A. I. M. E., vol. 7, p. 313.

THE OHIO AND INDIANA COAL-FIELDS. By G. H. Ashley. Min. Mag., Mar., 1905, p. 233.

THE WELLSTON COAL DISTRICT IN OHIO. By J. A. Ede. E. & M. J., vol. 57, p. 126. 1¼ columns.

BEDFORD CANNEL COAL, OHIO. E. & M. J., vol. 37, p. 175. 2½ columns.

GEOLOGY OF THE JACKSON COUNTY COAL IN OHIO. By A. Roy. E. & M. J., vol. 65, p. 164. 1¼ columns.

THE BITUMINOUS COAL FIELD OF OHIO. By R. M. Haseltine. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 215–226. 1902.

STRATIGRAPHY OF THE BITUMINOUS COAL FIELD OF PENNSYLVANIA, OHIO, AND WEST VIRGINIA. By I. C. White. U. S. G. S., Bull. No. 65. 212 pages. 1891.

THE PITTSBURG OR NO. 8 SEAM IN OHIO. By J. L. Pultz. E. & M. J., vol. 82, p. 350. 6 columns. I.

GEOLOGY OF THE CHOCTAW COAL-FIELD. By H. M. Chance. T. A. I. M. E., vol. 18, p. 653.

COAL MINING IN THE INDIAN TERRITORY. By W. R. Crane. E. & M. J., vol. 76, p. 577. 13 columns. I.

COAL MINING IN THE INDIAN TERRITORY. By W. R. Crane. E. & M. J., vol. 81, p. 658. 8¼ columns. I.

THE POTEAU COAL MINES: A Description of the Modern Equipment and Methods of Working Employed. By W. R. Crane. M. & M., vol. 26, p. 84. 6 columns. I.

THE CHOCTAW COALFIELD. By H. M. Chance. E. & M. J., vol. 48, p. 494. 1½ columns.

COAL MINING IN OREGON. By D. H. Stovall. M. & M., vol. 26, p. 203. 1 column.

THE COAL AND PITCH COAL OF THE NEWPORT MINE, OREGON. By W. C. Day. U. S. G. S., 19th Ann. Rept., pt. 3, pp. 370–376. 1899.

COAL ON THE ISTHMUS OF PANAMA. E. & M. J., vol. 76, p. 168. ½ column.

THE BLOSSBURG COAL REGION: Its Location and Geology, the Mining Methods and Machinery Used. By A. Hardt. M. & M., vol. 19, p. 126. 4½ columns. I.

THE CONNELLSVILLE REGION: Its Mineral Resources; the Extent of Territory; the Methods of Mining and Amount of Output. By H. N. Eavenson. M. & M., Aug., 1902, p. 26. 6½ columns.

THE EARLY COAL INDUSTRY IN WESTERN PENNSYLVANIA. By W. G. Irwin. M. & M., May, 1902, p. 458. 1½ columns.

THE MAHONING VALLEY COAL REGIONS. By A. Roy. T. A. I. M. E., vol. 4, p. 188.

THE CONNELLSVILLE COKE REGION. By T. W. Keighley. Min. Mag., Mar., 1905, p. 222.

THE BUCKSTOWN COAL FIELDS, BERLIN BASIN, SOMERSET COUNTY, PENNSYLVANIA. By H. W. Althouse. E. & M. J., vol. 69, p. 291. 1 column. I.

GEOLOGY AND MINING IN THE NORTHERN COAL-FIELD OF PENNSYLVANIA. By F. A. Hill. T. A. I. M. E., vol. 15, p. 699.

THE GEOLOGY OF THE PITTSBURGH COAL-REGION. By J. P. Lesley. T. A. I. M. E., vol. 14, p. 618.

The Latrobe Coal and Coking Field in Pennsylvania. By W. G. Irwin. E. & M. J., vol. 71, p. 720. 1⅓ columns. I.

The Coal-Field of Somerset County, Pennsylvania. By W. G. Irwin. E. & M. J., vol. 71, p. 527. 1¾ columns. I.

The Indiana and Clarion Coal-Fields in Western Pennsylvania. By W. G. Irwin. E. & M. J., vol. 71, p. 80. ½ column.

Geology and Mining in the Northern Coal-Field of Pennsylvania. By F. A. Hill. T. A. I. M. E., vol. 15, p. 699.

The Quemahoning Coal-Field of Somerset County, Pennsylvania. By J. P. Kimball. T. A. I. M. E., vol. 12, p. 469.

The Available Tonnage of the Bituminous Coal-Fields of Pennsylvania. By H. M. Chance. T. A. I. M. E., vol. 10, p. 144.

Development of the Connellsville Coke Region. By W. G. Irwin. E. & M. J., vol. 69, p. 351. 1½ columns.

Lower Productive Coal Measures of the Bituminous Regions of Pennsylvania: The Importance of a Knowledge of Their Characteristic Features. By T. K. Adams. M. & M., Mar., 1903, p. 348. 10 columns.

The Big Stone Gap Coal-Field. By J. M. Hodge. T. A. I. M. E., vol. 21, pp. 922, 1004.

The Connellsville Coking Region. By F. C. Keighley. M. & M., vol. 20, p. 319. 5½ columns.

George's Creek, Cumberland Coal-Basin, Pennsylvania. By B. S. Randolph. M. & M., vol. 19, p. 422. 3¾ columns. I.

Ellangowan Colliery, Pennsylvania: Occurrence of Coal, Methods of Mining, etc. By G. B. Hadesty. Coll. Engr. & Met. Miner, vol. 16, p. 1. 11 columns. I.

The Leith Mine: A Description of a Modern Mine and Coke Works in the Connellsville Region. By H. L. Auchmuty. Coll. Engr. & Met. Miner, vol. 17, p. 1, 12½ columns, I.; p. 41, 7 columns, I.

The Cumberland Plateau Coal-Field. By M. S. Duffield. E. & M. J., vol. 74, p. 442. 4½ columns. I.

Bituminous Coal in Pennsylvania. E. & M. J., vol. 51, p. 696. 1 column.

Notes on the Lower Coal Measures of Western Clearfield County, Pennsylvania. By J. F. Kemp. Sch. Mines Quart., vol. 14, p. 349. 6 pages.

The Development of the Indiana County, Pennsylvania, Coal Fields. By W. G. Irwin. E. & M. J., vol. 73, p. 134. 1½ columns.

Mines Nos. 1 and 2 of the National Mining Company: The Two Best Equipped Mines in the Pittsburg Thin-Vein District. By J. Collins. M. & M., vol. 26, p. 145. 8 columns. I.

The Reynoldsville, Pennsylvania, Coal Field and a Novel Drainage System. By F. M. Brown. E. & M. J., vol. 55, p. 366. 2½ columns. I.

Vesta No. 4 Mine, California, Pennsylvania. By W. L. Affelder. M. & M., vol. 25, p. 321. 1½ columns. I.

The Somerville Mines of the Beech Creek Coal and Coke Company, Pennsylvania. E. & M. J., vol. 77, p. 120. 2 columns. I.

The Elk Lick Mines of the Somerset Coal Company, Pennsylvania. E. & M. J., vol. 77, p. 159. 3 columns. I.

Coal Mining in the Pittsburg District, Pennsylvania. E. & M. J., vol. 77, p. 914. 1¾ columns.

The Vesta No. 4 Colliery, Pennsylvania. E. & M. J., vol. 77, p. 1039. 6 columns. I.

The Girard Coal Lands, Pennsylvania. By E. C. Wagner. Coll. Engr., vol. 9, pp. 4, 138, 172, 206.

A MONONGAHELA RIVER MINE. E. & M. J., vol. 78, p. 542. 2¼ columns.

THE CONNELLSVILLE COKE REGION OF WESTERN PENNSYLVANIA. E. & M. J., vol. 27, p. 163. 4 columns. I.

SOLDIER RUN MINE, REYNOLDSVILLE, PENNSYLVANIA. By F. M. Brown. Coll. Engr. & Met. Miner, vol. 14, p. 150. 9 columns. I.

NATIONAL MINING COMPANY'S MINES, PENNSYLVANIA. E. & M. J., vol. 81, p. 459. 8 columns. I.

GREAT LAKES COAL COMPANY, PENNSYLVANIA. By J. L. Pultz. E. & M. J., vol. 81, p. 650. 5¼ columns. I.

THE COAL MINES ON THE WEST SIDE BELT RAILROAD, PENNSYLVANIA. By S. Sanford. E. & M. J., vol. 79, p. 651. 14 columns. I.

SEABOARD COAL REGIONS ALONG THE B. & O. R. R., PENNSYLVANIA AND WEST VIRGINIA. By B.S. Randolph. Min. Mag., Mar., 1905, p. 229.

CONSOLIDATION OF FIVE LARGE COAL MINES (Pittsburg District). E. & M. J., vol. 82, p. 640. 8 columns. I.

MINING IN THE CUMBERLAND GAP COALFIELD. By J. L. Pultz. E. & M. J., vol. 83, p. 808. 9 columns. I.

WORKABLE COAL SEAMS OF WESTERN PENNSYLVANIA. By W. Seddon. E. & M. J., vol. 84, p. 549. 5 columns.

PITTSBURG, WITH ITS BLACK DIAMONDS. By A. P. Kirtland. P. E. Soc. W. Pa., vol. 15, p. 203. 19½ pages. I.

THE PHILLIPS (Coal) PLANT, FAYETTE COUNTY, PENNSYLVANIA. By A. F. Allard. M. & M., vol. 28, p. 387. 8 columns. I.

MINING IN THE GEORGE'S CREEK COALFIELD, PENNSYLVANIA. By F. W. Parsons. E. & M. J., vol. 82, p. 687. 14½ columns. I.

OPERATION AND EQUIPMENT OF THE ST. CLAIR COLLIERY, PENNSYLVANIA. By F. W. Parsons. E. & M. J., vol. 83, p. 1150. 5 columns. I.

THE NORTH SHAFT MINE OF THE SUSQUEHANNA COAL COMPANY AT NANTICOKE, PENNSYLVANIA. By E. E. Winter. J. C. M. I., vol. 9, p. 375. 12 pages. I.

THE BOISSEVAIN PLANT, POCAHONTAS COAL FIELD, PENNSYLVANIA. M. & M., vol. 28, p. 497. 7 columns. I.

THE ORIGINAL SOUTHERN LIMIT OF THE PENNSYLVANIA ANTHRACITE-BEDS. By B. S. Layman. T. A. I. M. E., vol. 33, p. 561.

NOTES ON THE BERNICE ANTHRACITE COAL-BASIN, SULLIVAN COUNTY, PENNSYLVANIA. By C. R. Claghorn. T. A. I. M. E., vol. 17, p. 606.

THE ANTHRACITE COAL-FIELDS OF PENNSYLVANIA. By A. H. Storrs. Min. Mag., Mar., 1905, p. 211.

THE ANTHRACITE COAL-BEDS OF PENNSYLVANIA. By C. A. Ashburner. T. A. I. M. E., vol. 11, p. 136.

SKETCH OF THE SCRANTON COAL MINING DISTRICT. By D. Coghlan. E. & M. J., vol. 5, p. 322, 1½ columns; p. 336, 2 columns.

ANTHRACITE COAL ON PERKIOMEN CREEK, PENNSYLVANIA. By O. C. S. Carter. E. & M. J., vol. 58, p. 147. ⅔ column.

THE ANTHRACITE MINES AT ALDEN, PENNSYLVANIA. By M. S. Hachita. E. & M. J., vol. 84, p. 1216. 11 columns. I.

THE SO-CALLED NEW SUPPLIES OF ANTHRACITE. By H. W. Althouse. E. & M. J., vol. 84, p. 500. 9¾ columns. I.

MINING ANTHRACITE COAL IN THE WYOMING VALLEY. By M. S. Hachita. E. & M. J., vol. 84, p. 1169. 7 columns. I.

THE GEOLOGICAL RELATIONS OF THE NANTICOKE DISASTER. By C. A. Ashburner. T. A. I. M. E., vol. 15, p. 629.

ANTHRACITE COAL IN PERU. By W. Griffiths. E. & M. J., vol. 66, p. 514. ½ column.

THE COAL AND MINERAL RESOURCES OF PERU. By E. Lane. T. F. I. M. E., vol. 3, p. 750. 22 pages. I.

Coal Fields of the Philippines: Facts in Regard to Their Location, Extent, Quality of the Coal and the Opportunities for Profitable Operation. By G. D. Rice. M. & M., vol. 21, p. 205. 3½ columns.

Coal in Portugal. E. & M. J., vol. 61, p. 137. 1 column.

The Vladivostok Coal-Field in Siberia. By R. L. Dunn. E. & M. J., vol. 67, p. 293. 2 columns. I.

Russian Coal. Engineering, London, vol. 72, p. 555. 2 columns.

Mining in the Donetz Coalfield, Russia. E. & M. J., vol. 54, p. 344. 2 columns.

Coal at Vladivostok. E. & M. J., vol. 73, p. 823. ⅔ column.

Anthracite in Russia. M. & M., vol. 27, p. 314. ¼ column.

Coal in Siberia. E. & M. J., vol. 65, p. 370, ½ column; p. 763, ⅔ column; vol. 74, p. 790, ⅔ column; vol. 77, p. 558.

The Coal Field of Espiel and Belmez, Spain. By R. O. y Vidal. E. & M. J., vol. 25, p. 11. ⅔ column.

Coal Mining in Asturias, Spain. By H. Louis. T. I. M. E., vol. 28, p. 420. 13 pages.

Bushy Mountain Coal Mines. Operated by the State of Tennessee. By A. W. Evans. M. & M., May, 1901, p. 438. 3¾ columns.

The Upper Measure Coal-Field of Tennessee. By H. E. Colton. T. A. I. M. E., vol. 14, p. 292.

The Cumberland Gap Coalfield, Tennessee and Kentucky. E. & M. J., vol. 79, p. 1135. 2¾ columns.

The Cumberland Gap Coal-Field. By G. H. Ashley. Min. Mag., Aug., 1904, p. 94. 14 columns. I.

Reconnaissance in the Rio Grande Coal Field of Texas. By T. W. Vaughan. U. S. G. S., Bull. No. 164. 100 pages. 1900.

The Bowie Coal Mine, Texas. E. & M. J., vol. 60, p. 443. 1¼ columns. I.

Texas Coal-Fields. By R. S. Weitzel. E. & M. J., vol. 61, p. 473. 1½ columns.

Texas Brown Coal. By E. T. Dumble. E. & M. J., vol. 62, p. 343. ⅔ column.

Brazos Coal-Field, Texas. By C. A. Ashburner. T. A. I. M. E., vol. 9, p. 495.

The San Carlos Coalfields, Presidio County, Texas. E. & M. J., vol. 59, p. 558. ⅓ column.

Reports on Texas Lignites and Brown Coal. By E. T. Dumble. E. & M. J., vol. 75, p. 858. Note.

The Fuels of Central Texas in Relation to the Bessemer Ores. E. & M. J., vol. 50, p. 170. 2½ columns.

The Coal Fields of Texas. By R. S. Weitzel. E. & M. J., vol. 50, p. 214. 2 columns.

The Coal Fields of Texas: Locations of the Different Deposits, Quality of the Coals as Shown by Analysis. By H. Ries. M. & M., vol. 26, p. 104. 3 columns. I.

The Heraklea Coal-Field in Turkey. E. & M. J., vol. 57, p. 319. ¾ column.

The Coal Fields of the United States. By C. W. Hayes. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 7–24. 1902.

The Coal and Iron Fields of the South. E. & M. J., vol. 11, p. 346. 2¼ columns.

Our Coal. By F. Z. Schellenberg. P. E. Soc. W. Pa., vol. 22, p. 481. 24 pages.

The Western Interior Coal-Fields of America. By H. F. Bain. T. I. M. E., vol. 16, p. 185. 26 pages. I.

Coal Mining in the Northwestern Territories and Its Probable Future. By F. B. Smith. J. C. M. I., vol. 5, p. 104. 7 pages.

The Mining of Anthracite Coal and Its Distribution. E. & M. J., vol. 32, p. 373. 1½ columns.

Anthracite Coal Mining. By H. M. Chance. U. S. G. S., Mineral Resources for 1883–84, pp. 104–143. 1885.

The Stratigraphical Location of Named Transmississippian Coals. By C. R. Keyes. E. & M. J., vol. 72, p. 198. 2 columns.

Coal and Asphalt Deposits Along the Moffat Railroad. By A. Lakes. M. & M., vol. 24, p. 134. 3 columns. I.

Coal on the Pacific Coast. Min. & Sci. Press, vol. 84, p. 202. 1¾ columns.

The Northeastern Bituminous Coal-Measures of the Appalachian System. By G. S. Ramsay. T. A. I. M. E., vol. 25, p. 76.

Coal Fields and Seaports of United States: With Shipping Routes and Distances. By E. W. Parker. M. & M., July, 1901, p. 534. Map.

The Sydney Coal-Field, Cape Breton, Nova Scotia. By W. Routledge. T. A. I. M. E., vol. 14, p. 542.

Notes on the Hard-Splint Coal of the Kanawha Valley. By S. M. Buck. T. A. I. M. E., vol. 10, p. 81.

The Allegheny Valley Coal-Fields. By W. G. Irwin. E. & M. J., vol. 72, p. 226. 1 column.

The Coal-Fields of the United States, their Areas and Product in 1887 and 1888. T. A. I. M. E., vol. 18, p. 124.

Snow Shoe and Broad Top Coal Fields: Extent and Characteristics of and the Methods Adopted in Working the Same. By Roger Hampson. M. & M., Apr., 1902, p. 415. 1⅕ columns.

The Coal-Industry of the South-eastern States of North America. By J. Head. T. F. I. M. E., vol. 13, p. 177. 16 pages. I.

The Coal Mines of Utah. By Don Maguire. M. & M., vol. 19, p. 438. 4 columns. I.

The Utah Coal Fields of the Wasatch. By A. Lakes. M. & M., vol. 27, p. 61. 3 columns. I.

The Tug River Coal-Field: A Description of the General Geology of the Region and of the Qualities of the Coal. By H. M. Payne. M. & M., Mar., 1905, p. 391. 3 columns.

Peculiar Roll in Roof of Coal at the Red Bank Mine, Pennsylvania. T. A. I. M. E., vol. 4, p. 388. I.

The Structure of the Richmond Coal-Basin. By E. J. Schmitz. T. A. I. M. E., vol. 24, p. 397.

Correlations in the Coal-Rocks West of Pocahontas, Flat Top, Virginia. By C. R. Boyd. T. A. I. M. E., vol. 24, p. 254.

An Occurrence of Coarse Conglomerate Above the Mammoth Anthracite Bed. By B. S. Layman. T. A. I. M. E., vol. 21, p. 713.

Coal-Sections Developed by Recent Operations in Wise County, Virginia. By F. Bache. T. A. I. M. E., vol. 24, p. 70.

Coal Measures of Wise County, Virginia. By F. Bache. E. & M. J., vol. 57, p. 605. 1½ columns. I.

Norton Coal Mines at Norton, Virginia: A Description of the Mines, the Coal Seams and the Methods of Mining and Handling the Coal. By Robt. Fleming. M. & M., vol. 21, p. 289. 3 columns. I.

The Southern Appalachian Coal Field [Alabama, Georgia, Tennessee, Kentucky, Virginia]. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 227–264. 1902.

Coal Fields in the United States. U. S. G. S., Bull. No. 213, pp. 257–269. 1903.

Geology of the Big Stone Gap Coal Field of Virginia and Kentucky. By M. R. Campbell. U. S. G. S., Bull. No. 111. 106 pages. 1893.

The Atlantic Coast Triassic Coal Field [Virginia, North Carolina]. By J. B. Woodworth. U. S. G. S., 22d Ann. Rept., pt., 3, pp. 25–54. 1902.

Virginia Anthracite Field. By J. E. Tiffany. M. & M., vol. 26, p. 349. 4 columns.

The Pocahontas Collieries Company, Virginia. By F. W. Parsons and W. Leckie. E. & M. J., vol. 82, p. 782. 9½ columns. I.

Keokee Coal and Coke Plant, Virginia. By H. E. Judd. M. & M., vol. 28, p. 586. 4 columns. I.

The Richmond Coal Basin, Virginia, By E. K. Judd. E. & M. J., vol. 83. p. 289. 3¾ columns. I.

The Tug River Coal-Field: A Description of the General Geology of the Region and of the Qualities of the Coal. By H. M. Payne. M. & M., Mar., 1905, p. 391. 3 columns. I.

The Elk Garden and Upper Potomac Coal-Fields of West Virginia. By J. D. Weeks. T. A. I. M. E., vol. 24, p. 351.

The New River Coal-Field of West Virginia. By S. F. Morris. T. A. I. M. E., vol. 8, p. 261.

West Virginia's Coal-Fields. By I. C. White. Min. Mag., Aug., 1904, p. 142. 5 columns.

The Thacker Coal-Field of West Virginia. By A. Roy. M. & M., vol. 19, p. 472. 1¼ columns.

West Virginia Coals. By N. Robinson. E. & M. J., vol. 79, p. 1127. 1⅓ columns.

West Virginia's Coal Fields. By I. C. White. Coll. Engr., vol. 8, p. 202. 3½ columns.

The Pocahontas Coals, Pottsville Series No. XII, in Raleigh and Wyoming Counties of West Virginia. By H. W. Althouse. Min. Mag., vol. 13, p. 201. 38 columns. I.

The Tug River Coal Field, West Virginia, 1900–1905. By H. M. Payne. M. & M., vol. 25, p. 391. 1⅓ columns. I.

Coal Mining in the Fairmont Field, West Virginia. By F. W. Parsons. E. & M. J., vol. 82, p. 1018, 6 columns, Map; p. 1070, 8 columns, I.

Coal Mining at Holden, West Virginia. By R. H. Lyman. E. & M. J., vol. 82, p. 1120, 7 columns, I.; p. 1170, 9 columns, I.

The George's Creek Coal Basin, West Virginia. E. & M. J., vol. 79, p. 649. 2 columns.

Coal Mining in Southern West Virginia. By F. W. Parsons. E. & M. J., vol. 84, p. 881. 6 columns. I.

Notes on the Coal-Field of Southern West Virginia. By J. B. Killebrew. E. & M. J., vol. 47, p. 64, 2½ columns; p. 85, ½ column.

Southwest Virginia Coal Belt: A Description of the Coal and Coke Plant of the Virginia Iron, Coal and Coke Company. By Joseph Virgin. M. & M., Oct., 1901, p. 110.

Eastern Virginia Coal-Field. By M. Coryell. T. A. I. M. E., vol. 3, p. 228.

The Virginia Anthracite Coal-Field. By L. L. Randolph. Eng. News, Oct. 20, 1904.

Min. Mag., Dec., 1904, p. 421. ½ column.

Mount Rainier Coalfields. By G. S. Rice. E. & M. J., vol. 79, p. 660. 4¾ columns. I.

Washington Coal Mining: An Abstract of the Annual Report of C. F. Owens, State Mine Inspector, for 1901. M. & M., Apr., 1902, p. 410. 2 columns.

Coal Mining in Washington: The Mines of the Northern Pacific Coal Company at Roslyn and the Mines at Kittitass County; M. & M., vol. 19, p. 193, 5½ columns, I.; p. 255, 4 columns, I.

The Pacific Coast Coal Fields [Oregon, Washington, California]. By G. O. Smith. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 473–514. 1902.

The Coos Bay Coal Field, Oregon. By J. S. Diller. U. S. G. S., 19th Ann. Rept., pt. 3, pp. 309–376. 1898.

SOME COAL FIELDS OF PUGET SOUND [Washington]. U. S. G. S., 18th Ann. Rept., pt. 3, pp. 393–436. 1898.

THE COAL MEASURES OF WASHINGTON. By S. G. Dewsnap. E. & M. J., vol. 52, p. 245. 1½ columns.

THE WASHINGTON COAL SITUATION. By R. P. Tarr. E. & M. J., vol. 83, p. 1010. 2¼ columns.

ROCK SPRINGS COAL MINES IN WYOMING: Some Notes on the Formations, the Mines and Methods of Operating. By A. Lakes. M. & M., Mar., 1905, p. 392. 2½ columns.

THE COAL RESOURCES OF WYOMING. By L. W. Trumbull. Min. Mag., vol. 13, p. 246. 5 columns.

COAL IN NORTHERN WYOMING. By F. W. Parsons. E. & M. J., vol. 84, p. 930. 11 columns. I.

LIGNITE OF NORTHWESTERN WYOMING ALONG THE C., B. & Q. R. R. By Stewart Kennedy. M. & M., vol. 27, p. 294. 6½ columns. I.

HANNA, WYOMING, COAL MINES. M. & M., vol. 26, p. 72. 1¾ columns.

Occurrence of Lignites

LIGNITE DEPOSITS OF NORTH DAKOTA. By R. M. Haseltine. M. & M., July, 1901, p. 545.

THE LIGNITES OF THE GREAT SIOUX RESERVATION [Dakota]. By B. Willis. U. S. G. S., Bull. No. 21. 16 pages. 1885.

THE LIGNITE DEPOSITS OF NORTH DAKOTA. By F. A. Wilder. E. & M. J., vol. 74, p. 674. 5 columns. I.

Occurrence of Manganese

THE COOADONGA MANGANESE DISTRICT AND ITS MINES. By J. A. Jones. T. I. M. & M., vol. 3, p. 263.

THE MANGANESE DEPOSITS OF HUELVA. By F. Johnson. T. I. M. & M., vol. 3, p. 275.

THE REYMERT MANGANIFEROUS LODE, ARIZONA, AND ITS FORMATION. By H. Blauvelt. E. & M. J., vol. 47, p. 139. 2½ columns.

MANGANESE MINING IN BRAZIL. E. & M. J., vol. 68, p. 219. 1 column.

THE MANGANESE-DEPOSITS OF BAHIA AND MINAS, BRAZIL. By J. C. Branner. T. A. I. M. E., vol. 29, p. 756.

MANGANESE MINING IN BAHIA, BRAZIL. M. & M., vol. 20, p. 138. 1 column.

THE MANGANESE DEPOSITS OF GANDARELLA, MINAS GERAES, BRAZIL. By J. G. Michaeli. E. & M. J., vol. 72, p. 818. 1½ columns.

THE ORE DEPOSITS AND MINES OF MINAS GERAES, BRAZIL. By A. Mezger. E. & M. J., vol. 50, p. 239, 1½ columns; and p. 272, 2 columns.

THE MANGANESE-DEPOSITS OF THE DEPARTMENT OF PANAMA, REBUBLIC OF COLOMBIA. By E. J. Chibas. T. A. I. M. E., vol. 27, p. 63.

THE MANGANESE INDUSTRY OF THE DEPARTMENT OF PANAMA, REPUBLIC OF COLOMBIA. By E. G. Williams. T. A. I. M. E., vol. 33, p. 197.

NOTES ON THE OCCURRENCE OF MANGANESE ORE NEAR THE ARENIGS, MERIONETHSHIRE, GREAT BRITAIN. By E. Halse. T. F. I. M. E., vol. 3, p. 940, 19 pages, I.; and vol. 4, p. 167, 2 pages.

MANGANESE ORE IN BORNEO. E. & M. J., vol. 82, p. 108. 1 column.

THE MANGANESE MINES OF LAS COBESSES, PYRENEES, FRANCE. By C. A. Moreing. T. I. M. & M., vol. 2, pp. 250 and 264.

MANGANESE ORES OF THE CARTERSVILLE DISTRICT, GEORGIA. U. S. G. S., Bull. No. 213, p. 232. 1903.

GEOLOGICAL RELATIONS OF THE MANGANESE-ORE DEPOSITS OF GEORGIA. By T. L. Watson. T. A. I. M. E., vol. 34, pp. 207 and 968.

MANGANESE ORE IN INDIA. E. & M. J., vol. 63, p. 513, ½ column; vol. 78, p. 674, ¾ column.

NOTES ON THE OCCURRENCE OF MANGANESE ORE NEAR MULEGE, BAJA, CALIFORNIA, MEXICO. By E. Halse. T. F. I. M. E., vol. 3, p. 934. 7 pages. I.

Geological Notes on the Manganese Ore-Deposits of Crimora, Virginia. By C. F. Hall. T. A. I. M. E., vol. 20, p. 46.

Manganese Deposits of Nova Scotia. By W. F. Jennison. T. F. C. M. I., vol. 3, p. 167. 6 pages.

Note on an Occurrence of Manganese and Zinc Ore in Nova Scotia. By E. Gilpin. J. M. Soc. N. S., vol. 2, p. 70. 4½ pages.

Notes on the History of Manganese Mining in Part of Nova Scotia, and on Some of the Geological Conditions of the Manganese Belt Running Through Hants County. By W. F. Jennison. J. M. Soc. N. S., vol. 8, p. 106. 3½ pages.

The Manganese-Ore Industry of the Caucasus. By F. Drake. T. A. I. M. E., vol. 28, pp. 191, 841.

Manganese Ores. U. S. G. S., Mineral Resources for 1906, pp. 103–109. 1907.

Manganese. U. S. G. S., Mineral Resources for 1887, pp. 144–167. 1888.

Manganese. U. S. G. S., Mineral Resources for 1892, pp. 169–226. 1893.

Manganese Ore. By J. Birkinbine. Rept. Census Office, Mines and Quarries, 1902. p. 435, 13 columns.

Manganese Ores. U. S. G. S., 19th Ann. Rept., pt. 6, pp. 91–125. 1898.

Manganese. By J. D. Weeks. U. S. G. S., Mineral Resources for 1885, pp. 303–356. 1886.

The Distribution of Manganese in North America. By R. A. F. Penrose. E. & M. J., vol. 52, p. 126. 1½ columns.

Some of the Manganese Deposits of the Valley of Virginia. By C. Catlett. E. & M. J., vol. 64, p. 156. 2 columns.

The Crimora Manganese Mine, Virginia. E. & M. J., vol. 49, p. 333. 2 columns. I.

Notes on the Manganese-Ore Deposit of Crimora, Virginia. By C. E. Hall. E. & M. J., vol. 52, p. 94. 1½ columns. I.

The Crimora Manganese Mine, Virginia. By E. K. Judd. E. & M. J., vol. 83, p. 478. 3 columns.

The Manganese Deposits of Santiago Province, Cuba. By A. C. Spencer. E. & M. J., vol. 74, p. 247. 4 columns. I.

Manganese Mines Near Santiago, Cuba. E. & M. J., vol. 46, p. 438. 1¾ columns.

Manganese Mining in Cuba. By A. E. Heighway. E. & M. J., vol. 75, p. 255. ⅔ column. I.

Manganese Deposits of Santiago, Cuba. By A. C. Spencer. U. S. G. S., Bull. No. 213, pp. 251–255. 1903.

Geological Notes on the Manganese Ore-Deposits of Crimora, Virginia. By C. F. Hall. T. A. I. M. E., vol. 20, p. 46.

Occurrence of Tungsten

Notes on the Tungsten Deposits of Arizona. E. & M. J., vol. 78, p. 263. 6½ columns. I.

The Tungsten Ores of San Juan County, Colorado. By C. A. Cooper. E. & M. J., vol. 67, p. 499. ⅔ column.

The Distribution of San Juan Ores. By T. B. Comstock. E. & M. J., vol. 38, p. 208, 2 columns; p. 229, 2 columns; p. 245, 3½ columns; p. 298, 3 columns; p. 315, 3 columns; p. 328, 2½ columns.

The Tungsten Deposits of Boulder County, Colorado. By W. E. Greenawalt. E. & M. J., vol. 83, p. 951. 4¼ columns. I.

The Old Tungsten Mine at Trumbull, Connecticut. By W. H. Hobbs. U. S. G. S., 22d Ann. Rept., pt. 2, pp. 7–22. 1902.

Tungsten Mining at Trumbull, Connecticut. By W. H. Hobbs. U. S. G. S., Bull. No. 213, p. 98. 1903.

An Occurrence of Tungsten Ore in Eastern Nevada. By F. B. Weeks. U. S. G. S., 21st Ann. Rept., pt. 6, pp. 319–320. 1901.

Tungsten Ore in Eastern Nevada. By F. B. Weeks. U. S. G. S., Bull. No. 213, p. 103. 1903.

An Occurrence of Tungsten Ore in Eastern Nevada. By F. B. Weeks. E. & M. J., vol. 72, p. 8. 3 columns. I.

The Osceola, Nevada, Tungsten Deposits. By F. D. Smith. E. & M. J., vol. 73, p. 304. 3 columns. I.

The Panasqueira Tungsten District, Portugal. By W. Prens. E. & M. J., vol. 83, p. 843. 2½ columns. Map.

Occurrence of Nickel

The Atik-Okan Nickeliferous Pyrrhotite Deposits and Their Origin. By F. Hille. J. C. M. I., vol. 9, p. 285. 17½ pages. I.

The Sudbury Nickel Mines. E. & M. J., vol. 74, p. 372, 1 column; and vol. 76, p. 395, 1½ columns.

Two Great Nickel Mines in Canada. E. & M. J., vol. 76, p. 932. 1 column.

The Sudbury District. E. & M. J., vol. 80, p. 116, 2⅔ columns; and vol. 77, p. 14, 1 column.

Cobalt-Nickel Arsenides and Silver in Ontario. By W. G. Miller. E. & M. J., vol. 76, p. 888. 5 columns.

The Sudbury Nickel Mines. By A. McCharles. E. & M. J., vol. 72, p. 755. 1 column.

Nickel Mines and Mining. E. & M. J., vol. 52, p. 695, ½ column; and vol. 51, p. 328, 1¾ columns.

The Cobalt-Nickel Arsenides and Silver Deposits of Temiskaming, Canada. By W. G. Miller. Min. Mag., vol. 13, p. 329. 5 columns. Map.

Canada's Nickel Deposits. By J. A. Macdonald. Min. & Sci. Press, vol. 93, p. 238. 1 column.

The Sudbury Nickel Region. By P. Thompson. E. & M. J., vol. 82, p. 3. 3 columns.

Cobalt and the Timiskaming Country. E. & M. J., vol. 82, p. 11. 1 column.

The Nickel Ores of Orford, Quebec, Canada. By W. E. C. Eustis. T. A. I. M. E., vol. 6, p. 209.

The Sudbury Nickel Deposits. By A. P. Coleman. Ontario Bureau of Mines Rept., 1903.
Min. Mag., Sept., 1904, p. 207. 1½ columns.

The Sudbury Ore-Deposits. By E. D. Peters, Jr. T. A. I. M. E., vol. 18, p. 278.

The Sudbury Nickel Mines in Ontario. By A. McCharles. E. & M. J., vol. 67, p. 144. ½ column.

The Ore-Deposits of Sudbury, Ontario. By Chas. W. Dickson. T. A. I. M. E., vol. 34, p. 3. 65 pages.

The Sudbury Nickel Region. By E. Renshaw. E. & M. J., vol. 57, p. 245. 3¾ columns. I.

The Sulphide Ore Bodies of the Sudbury Region. By L. P. Silver. J. C. M. I., vol. 5, p. 528. 26 pages. I.

The Sudbury Nickel Mines. E. & M. J., vol. 46, p. 235. ¾ column.

The Nickel Mines of Northern Ontario. By A. McCharles. E. & M. J., vol. 73, p. 694. 1½ columns.

Development in the Nickel Industry at Sault Sainte Marie, Ontario, Canada. By E. A. Sjöstedt. E. & M. J., vol. 75, p. 632. 2 columns.

On the Nickel Deposits of Webster, Western North Carolina. By A. E. Bartow. J. C. M. I., vol. 9. p. 303. 14 pages. I.

The Nickel Deposits of North Carolina. By S. H. Emmens. E. & M. J., vol. 53, p. 476. 2½ columns.

A New Nickel Deposit in Saxony. By R. Beck. E. & M. J., vol. 75, p. 329. 1½ columns.

The Nickel Deposits of Sohland, Saxony. By W. H. Weed. E. & M. J., vol. 77, p. 363. 2¾ columns. I.

Origin of the Nickel Ore Deposits of the Black Forest, Germany. By A. W. G. Bleeck. E. & M. J., vol. 83, p. 418. 1½ columns.

Note on the Nickel-Ore of Russell Springs, Logan County, Kansas. By F. P. Dewey. T. A. I. M. E., vol. 17, p. 636.

Reputed Nickel Mines of Minnesota. By H. V. Winchell. E. & M. J., vol. 64, p. 578. 1½ columns.

Nickel Mining in New Caledonia. E. & M. J., vol. 69, p. 735. 2 columns. I.

Nickel Deposits in New Caledonia. By R. G. Leckie. J. C. M. I., vol. 6, p. 169. 11 pages. I.

Nickel Mining in New Caledonia. By J. Garland. T. I. M. & M., vol. 2, p. 121.

Geology and Metallurgy of the New Caledonian Nickel Ores. By D. Levat. E. & M. J., vol. 54, p. 32. 2½ columns. I.

New Caledonia Nickel and Cobalt. By J. Heard. E. & M. J., vol. 46, p. 103, 1 column; vol. 77, p. 20, 1 column.

Note on an Occurrence of Nickel and Cobalt in Nevada. By A. D. Hodges, Jr. T. A. I. M. E., vol. 13, p. 657.

The Nickel Mine at Lancaster Gap, Pennsylvania, and the Pyrrhotite Deposits at Anthony's Nose, on the Hudson. By J. F. Kemp, T. A. I. M. E., vol. 24, pp. 620, 883.

On the Nickel Deposits of Norway. By R. G. Leckie. J. C. M. I., vol. 7, p. 401. 9½ pages.

Nickel Deposits of Nickel Mountain, Oregon. By G. F. Kay. U. S. G. S., Bull. No. 315, pp. 120–127. 1907.

Nickel Deposits Near Riddle, Oregon. By W. L. Austin. M. & M., vol. 19, p. 226. 1½ columns. I.

Notes on the Oregon Nickel Prospect. By A. R. Ledoux. J. C. M. I., vol. 4, p. 184. 6 pages.

Nickel: Its Ores, Distribution, and Metallurgy. By W. P. Blake. U. S. G. S., Mineral Resources for 1882, pp. 399–420. 1883.

The World's Supply of Nickel. By J. H. Eastwick. P. E. Soc. W. Pa., vol. 8, p. 280. 15½ pages.

Genesis of Nickel Ores. By R. L. Packard. U. S. G. S., Mineral Resources for 1892, pp. 170–177. 1893.

Nickel, Cobalt, Tungsten, Vanadium, Molybdenum, Titanium, Uranium, and Tantalum. U. S. G. S., Mineral Resources, for 1906, pp. 519–540. 1907.

Occurrence of Antimony

The Antimony Deposits of Arkansas. By C. E. Wait. T. A. I. M. E., vol. 8, p. 42.

The Minerals of a Deposit of Antimony Ores in Sevier County, Arkansas. By F. P. Dunnington. Proc. Am. Assoc. Adv. Sci., vol. 26, 1878, pp. 181–185.

Analysis of Native Antimony Ocher from Sevier County, Arkansas. By J. R. Santos. Chem. News, London, vol. 36, No. 933, 1877, p. 167.

Note on the Occurrence of Antimony in Arkansas. By C. P. Williams. T. A. I. M. E., vol. 3, p. 150.

The Antimony Belt in the Cœur d'Alenes. By J. J. O'Leary. E. & M. J., vol. 83, p. 284. 1 column.

Antimony in Japan. T. A. I. M. E., vol. 5, p. 297.

Note on the Antimony Deposit of El Altar, Sonora, Mexico. By E. Halse. T. F. I. M. E., vol. 6, p. 290. 4 pages.

The Occurrence of Stibnite at Steamboat Springs, Nevada. By W. Lindgren. T. A. I. M. E., vol. 36, p. 27. 3½ pages.

THE ANTIMONY DEPOSITS AT WEST GORE, NOVA SCOTIA. By W. R. Askwith. E. & M. J., vol. 72, p. 255. 1 column.

THE WEST GORE ANTIMONY DEPOSITS, NOVA SCOTIA. Min. & Sci. Press, vol. 83, p. 77. 2 columns. I.

USE AND OCCURRENCE OF ANTIMONY. M. & M., Sept., 1901, p. 70. 1 column.

THE ANTIMONY INDUSTRY. By F. T. Harvard. E. & M. J., vol. 82, p. 1014. 5¾ columns.

ANTIMONY. By F. L. Hess. U. S. G. S., Mineral Resources for 1906, pp. 511–516. 1907.

Occurrence of Tin

DESCRIPTION OF TIN DEPOSITS. Tin Deposits of the World, p. 7. 11 pages. I.

NOTES ON A DEPOSIT OF NICKELIFEROUS PYRRHOTITE AT MALACHITE POINT. By A. Muscovici. J. C. M. I., vol. 9, p. 221. 14 pages. I.

TIN DEPOSITS OF NORTHERN NIGERIA, TRANSVAAL, SWAZILAND, CONGO FREE STATE, JAPAN, GREENLAND, FINLAND, CHINA, KOREA AND SIBERIA. Tin Deposits of the World, p. 139. 10 pages. I.

A DISCOVERY OF TIN IN ALASKA: Finding of a Tin-Bearing Dike Showing Rich Ores Said to be in Large Quantities. By R. N. Bell. M. & M., Feb., 1904, p. 328. 1½ columns.

TIN IN ALASKA. By A. J. Collier. Min. Mag., Aug., 1904, p. 131. 2½ columns.

SOME FACTS REGARDING THE RECENT DISCOVERY OF TIN IN ALASKA. By W. M. Courtis. E. & M. J., vol. 75, p. 967. ½ column.

TIN IN THE YORK REGION, ALASKA. By A. J. Collier. E. & M. J., vol. 76, p. 999. 4 columns. I.

AN OCCURRENCE OF STREAM TIN IN THE YORK REGION, ALASKA. By A. H. Brooks. U. S. G. S., Mineral Resources for 1900, pp. 267–271. 1901.

STREAM TIN IN ALASKA. By A. H. Brooks. U. S. G. S., Bull. No. 213, pp. 92–93. 1903.

TIN IN ALASKA. By R. L. Beals. Min. & Sci. Press, vol. 89, p. 39. 2 columns.

A TIN DEPOSIT NEAR SPOKANE. By A. R. Whitman. Min. & Sci. Press, vol. 94, p. 697. 3 columns.

THE VULCAN TIN MINE, NORTH QUEENSLAND. E. & M. J., vol. 82, p. 155. 2¾ columns. I.

MOUNT BISCHOFF TIN MINE. Tin Deposits of the World, p. 165. 10 pages.

TIN DEPOSITS OF NEW SOUTH WALES. Tin Deposits of the World, p. 68. 15 pages. I.

TIN DEPOSITS OF QUEENSLAND. Tin Deposits of the World, p. 83. 8 pages.

TIN DEPOSITS OF WESTERN AUSTRALIA, NORTHERN TERRITORY OF SOUTH AUSTRALIA, NEW ZEALAND AND VICTORIA. Tin Deposits of the World, p. 105. 8 pages. I.

THE LANCELOT TIN-BISMUTH LODE, QUEENSLAND. E. & M. J., vol. 80, p. 582. 1 column.

THE MOUNT BISCHOFF TIN MINE. By S. Farons. E. & M. J., Mar. 9, 1905, p. 470. 3½ columns. I.

THE BRISEIS TIN LEAD AT DERBY, TASMANIA. By E. Rickard. E. & M. J., vol. 75, p. 119. 4 columns. I.

THE BLUE TIER TINFIELD, TASMANIA. E. & M. J., vol. 80, p. 778. 1 column.

THE STANLEY RIVER TIN DISTRICT, TASMANIA. E. & M. J., vol. 77, p. 920. ¾ column.

TIN DEPOSITS OF TASMANIA. Tin Deposits of the World, p. 90. 15 pages. I.

NOTES ON THE MOUNT BISCHOFF TIN MINE, TASMANIA. By S. Farons. T. I. M. & M., vol. 14, p. 221. 30 pages. I.

TIN IN WEST AUSTRALIA. E. & M. J., vol. 80, p. 1071. ¾ column.

Tin Mining in New South Wales. By J. Plummer. E. & M. J., vol. 73, p. 212. 1 column. I.

Tin Mining in North Queensland. By J. Munday E. & M. J., vol. 59, p. 556. 2 columns.

Chorolque Tin Mines and Alluvial Deposits, Bolivia. By M. Roberts; T. I. M. & M., vol. 9, p. 372, 5 pages. and vol. 12, p. 404, 1½ pages.

The Mining Industry of Bolivia. E. & M. J., vol. 59, p. 438. 1⅞ columns.

Tin Mining in Bolivia. E. & M. J., vol. 81, p. 810. 1 column.

Tin Mining in Bolivia. E. & M. J., vol. 82, p. 458. 1¾ columns.

The Tin Mines of Bolivia. By W. McDermott. T. I. M. & M., vol. 7, p. 77. 15 pages.

The Tin Deposits of Bolivia. Tin Deposits of the World, p. 112. 12 pages. I.

The Temescal Tin Mines. By E. Knight. E. & M. J., vol. 53, p. 276. 1⅔ columns. I.

Occurrence of Tin Ore (Wood Tin) in California, Idaho and Montana. Min. & Sci. Press, vol. 45, p. 89. 1 column.

Temescal Tin District, San Bernardino County, California. Min. & Sci. Press, vol. 61, p. 159. 4 columns. I.

The Tin Deposits at Temescal, Southern California. Min. & Sci. Press, vol. 75, p. 362. 2 columns.

Tin in California. By H. E. West. E. & M. J., vol. 79, p. 852. 4 columns.

The San Jacinto Tin Mines, California. E. & M. J., vol. 50, p. 450. 4 columns.

Occurrence of Tin Ore in North Carolina and Virginia. By T. Ulke. U. S. G. S., Mineral Resources for 1893, pp. 178–182. 1894.

Tin in North Carolina. E. & M. J., vol. 48, p. 521. 2 columns.

Tin in the Carolinas. E. & M. J., vol. 82, p. 823. ¼ column.

The Carolina Tin Belt. By L. C. Graton. U. S. G. S., Bull. No. 260, pp. 188–195. 1905.

Matiwon Tin Mines. E. & M. J., vol. 48, p. 182. 2 columns. I.

Tin in Dakota. E. & M. J., Mar. 9, 1905, p. 469. ½ column.

Tin-Ore Veins in the Black Hills of Dakota. By W. P. Blake. T. A. I. M. E., vol. 13, p. 691.

Harney Peak Tin Mines, Dakota. E. & M. J., vol. 54, p. 512, 2½ columns; p. 536, 2 columns; and vol. 48, p. 358, 1⅔ columns.

The Tin Mines of Dakota. E. & M. J., vol. 42, p. 325. 1 column.

Tin in the Black Hills, Dakota. T. A. I. M. E., vol. 17, p. 588.

The Harney Peak Tin Mining Company. E. & M. J., vol. 45, p. 230, ⅔ column.

Red River Tin Stream, Cornwall. By E. Skewes. E. & M. J., vol. 74, p. 178. 6½ columns. I.

The Cornish Tin Streams. Min. & Sci. Press, vol. 68, p. 279. 2 columns.

Tin Deposits of Cornwall. Tin Deposits of the World, p. 125. 14 pages. I.

The Dolcoath Tin Mine. Tin Deposits of the World, p. 175. 23 pages.

Revival of the South Crofty Tin Mines, Cornwall. By E. Walker. E. & M. J., vol. 83, p. 1092. 4 columns. I.

Cornish Tin Mining. By H. E. West. Min. & Sci. Press, vol. 94, p. 179, 4½ columns, I.; and p. 212, 3¾ columns, I.

Tin in Japan. T. A. I. M. E., vol. 5, p. 297.

Notes on Lode Tin Mining in the Malay Peninsula. By W. H. Derrick. T. I. M. & M., vol. 7, p. 12. 7 pages.

TIN LODE DEPOSITS IN THE MALAY PENINSULA. Tin Deposits of the World, p. 56. 11 pages. I.

LODE TIN MINING IN THE MALAY PENINSULA. Min. & Sci. Press, vol. 77, p. 580. 1½ columns.

THE MALAY TIN DEPOSITS. By R. A. F. Penrose. E. & M. J., vol. 75, p. 926. 8 columns. I.

TIN IN MALAY PENINSULA. E. & M. J., vol. 47, p. 48. ½ column. Map.

THE STRAITS TIN MINES. E. & M. J., vol. 80, p. 831. 1½ columns.

TIN MINES IN THE MALAY PENINSULA. E. & M. J., vol. 55, p. 514. Note.

THE TERAK TIN MINES (Malay Peninsula). E. & M. J., vol. 56, p. 268. 2½ columns. I.

THE ALLUVIAL TIN-DEPOSITS OF SIAK, SUMATRA. By C. M. Rolker. T. A, I. M. E., vol. 20, p. 50.

LODE TIN IN THE MALAY PENINSULA. By W. H. Derrick. E. & M. J., vol. 68, p. 784. 1½ columns.

THE TIN-DEPOSITS OF THE KINTA VALLEY, FEDERATED MALAY STATES. By W. R. Rumbold. T. A. I. M. E., vol. 37, p. 879. 12 pages. I.

MONAZITE TIN ORE IN FEDERATED MALAY STATES. E. & M. J., vol. 82, p. 918. 1 column.

THE ALLUVIAL TIN DEPOSITS OF BANCA, BILLITON, SIAKA, SIAM, AND BRITISH BURMA. Tin Deposits of the World, p. 31. 14 pages. I.

REMARKS ON AN OCCURRENCE OF TIN ORE AT WINSLOW, MAINE. By T. S. Hunt. T. A. I. M. E., vol. 1, p. 373.

THE SAN JACINTO TIN MINES, MEXICO. Min. & Sci. Press, vol. 39, p. 397. 3¾ columns. Map.

THE OCCURRENCE OF TIN-ORE AT SAIN ALTO, ZACATECAS, WITH REFERENCE TO SIMILAR DEPOSITS IN SAN LUIS POTOSI AND DURANGO, MEXICO. By E. Halse. T. A. I. M. E., vol. 29, p. 502.

THE SAIN ALTO TIN DEPOSITS, STATE OF ZACATECAS, MEXICO. By J. N. Nevins. E. & M. J., vol. 75, p. 929. 2 columns. I.

THE TIN-DEPOSITS OF DURANGO, MEXICO. By W. R. Ingalls. T. A. I. M. E., vol. 25, pp. 146, 997.

NOTES ON THE TIN-DEPOSITS OF MEXICO. By W. R. Ingalls. T. A. I. M. E., vol. 27, p. 428.

TIN IN CENTRAL TEXAS. By T. B. Comstock. E. & M. J., vol. 51, p. 117. 2 columns.

TIN IN THE FRANKLIN MOUNTAINS, TEXAS. By G. B. Richardson. U. S. G. S., Bull. No. 285, pp. 146–149. 1906.

THE EL PASO TIN DEPOSITS [Texas]. By W. H. Weed. U. S. G. S., Bull. No. 178. 6 pages. 1901.

TIN DEPOSITS AT EL PASO, TEXAS. By W. H. Weed. U. S. G. S., Bull. No. 213, pp. 99–102. 1903.

TIN ORES AND DEPOSITS. U. S. G. S., Mineral Resources for 1883–84, pp. 592–640. 1885.

THE OCCURRENCE AND DISTRIBUTION OF TIN. By L. C. Graton. U. S. G. S., Bull. No. 260, pp. 161–187. 1905.

TIN. U. S. G. S., Mineral Resources for 1906, pp. 543–549. 1907.

RECONNAISSANCE OF SOME GOLD AND TIN DEPOSITS IN THE SOUTHERN APPALACHIANS. By L. C. Graton. U. S. G. S., Bull. No. 293. 134 pages. 1906.

THE PRODUCTION OF TIN IN VARIOUS PARTS OF THE WORLD. By C. M. Rolker. U. S. G. S., 16th Ann. Rept., pt. 3, pp. 458–538. 1895.

TIN ORES IN THE UNITED STATES. By J. P. Lesley. E. & M. J., vol. 9, p. 322. 1½ columns.

TIN IN THE UNITED STATES. Min. & Sci. Press, vol. 93, p. 326. 1 column.

TIN IN THE UNITED STATES. Min. & Sci. Press, vol. 87, p. 117. 1 column.

Occurrence of Arsenic

ARSENIC IN CANADA. M. & M., Apr., 1902, p. 407. 2 columns.

IN AN ARSENIC MINE IN ENGLAND. Min. & Sci. Press, vol. 69, p. 37. ½ column.

Arsenic in India. E. & M. J., vol. 74, p. 784. 1 column.

Arsenic and Lead Mines in the Pyrenees. E. & M. J., vol. 73, p. 861. ⅔ column.

Arsenic. U. S. G. S., Mineral Resources for 1906, pp. 1055–1058. 1907.

The Arsenic Mines at Brinton, Virginia. By J. L. Cowan. E. & M. J., vol. 78, p. 105. 3 columns. I.

Arsenic in Washington. M. & M., June, 1902, p. 501.

Occurrence of Bismuth

Bismuth Mining in Australia. By W. B. Roberts. E. & M. J., vol. 53, p. 668. 1½ columns.

Bismuth. U. S. G. S., Mineral Resources for 1906, p. 517. 1907.

Occurrence of Wolframite

Wolfram Ore: Bohemia and Saxony. By R. Helmhacker. E. & M. J., vol. 62, p. 153. 2 columns.

Some Recent Exploited Deposits of Wolframite in the Black Hills of South Dakota. By J. D. Irving. T. A. I. M. E., vol. 31, pp. 683, 1024.

Occurrence of Corundum

The Mining, Concentration and Analysis of Corundum in Ontario, Canada. By W. L. Goodwin. T. I. M. E., vol. 23, p. 446. 11 pages. I.

Corundum in Ontario, Canada, etc. By D. G. Kerr. T. I. M. E., vol. 30, p. 143. 15 pages. I.

On the Occurrence and Development of Corundum in Ontario. By M. B. Baker. J. C. M. I., vol. 7, p. 410. 12 pages.

Corundum Deposits of Canada. M. & M., Dec., 1901, p. 202.

Corundum in Ontario. E. & M. J., vol. 66, p. 303. 1½ columns.

The Corundum Deposits of Eastern Ontario. E. & M. J., vol. 65, p. 548. ⅔ column.

The Corundum Deposits of Ontario. By T. W. Gibson. E. & M. J., vol. 67, p. 500. 1½ columns.

Developing Ontario Corundum Deposits. E. & M. J., vol. 68, p. 486. 1 column.

Corundum Mining in North Carolina. By A. M. Stone. E. & M. J., vol. 65, p. 490. 1 column.

Corundum Deposits of Georgia. E. & M. J., vol. 59, p. 558. ⅞ column.

Corundum in Montana. By J. A. Edman. Min. & Sci. Press., vol. 84, p. 21. ⅔ column.

Montana Corundum. By L. S. Ropes. E. & M. J., vol. 72, p. 787. 2 columns. I.

Literature on Corundum Localities. T. A. I. M. E., vol. 25, p. 903.

The Manufacture and Use of Corundum. By C. N. Jenks. U. S. G. S., 17th Ann. Rept., pt. 3, pp. 943–947. 1896.

The Occurrence and Distribution of Corundum in the United States. By J. H. Pratt. U. S. G. S., Bull. No. 180. 98 pages. 1901.

Corundum Deposits of the Southern Appalachian Region. By J. A. Holmes. U. S. G. S. 17th Ann. Rept., pt. 3, pp. 935–943. 1896.

Corundum and Its Occurrence and Distribution in the United States. By J. H. Pratt. U. S. G. S., Bull. No. 269. 175 pages. 1905.

Corundum and Emery. By T. M. Chatard. U. S. G. S., Mineral Resources for 1883–84, pp. 714–720. 1885.

Corundum. U. S. G. S., Mineral Resources for 1886, pp. 585–586. 1887.

Occurrence of Bauxite

Bauxite in Rome Quadrangle, Georgia-Alabama. U. S. G. S., Geologic Atlas, folio No. 78, 1902, p. 6.

Alabama Bauxite. By H. McCalley. E. & M. J., vol. 54, p. 584. 1¼ columns. I.

The Arkansas Bauxite Deposits. U. S. G. S., 21st Ann. Rept., pt. 3, pp. 435–472. 1901.

Arkansas Bauxite Deposits. By E. W. Parker. M. & M., vol. 20, p. 327. 1⅓ columns.

Bauxite and Kaolin in Arkansas. E. & M. J., vol. 51, p. 114. ½ column.

Bauxite in New South Wales. M. & M., Oct., 1901, p. 127.

Bauxite in New South Wales. By J. Plummer. E. & M. J., vol. 73, p. 763. ½ column.

Bauxite in Austria. By R. Helmhacker. E. & M. J., vol. 66, p. 457. ½ column.

Bauxite Mining in Georgia: Description of Methods Employed in Mining, Washing and Drying the Ores; also Analyses of Georgia and French Ores. By A. W. Evans. M. & M., June, 1902, p. 481. 4 columns.

Bauxite and Alumina in Italy. E. & M. J., vol. 76, p. 810. ½ column.

Alunogen and Bauxite of New Mexico. By W. P. Blake. T. A. I. M. E., vol. 24, p. 571.

Aluminum and Bauxite [in 1903]. By J. Struthers. U. S. G. S., Mineral Resources for 1903, pp. 265–280. 1904.

Aluminum and Bauxite. By R. L. Packard. U. S. G. S., Mineral Resources for 1891, pp. 147–163. 1892.

Aluminum. By R. L. Packard. U. S. G. S., 16th Ann. Rept., pt. 3, pp. 539–546. 1895.

Aluminum and Bauxite [in 1904]. By C. C. Schnatterbeck. U. S. G. S., Mineral Resources for 1904, pp. 285–294. 1905.

Bauxite. By C. W. Hayes. U. S. G. S., Mineral Resources for 1893, pp. 159–167. 1894.

Bauxite. U. S. G. S., 16th Ann. Rept., pt. 3, pp. 547–597. 1895.

Bauxite and Aluminum. By E. F. Burchard. U. S. G. S., Mineral Resources for 1906, pp. 501–510. 1907.

The Bauxite Industry of the South. By E. K. Judd. E. & M. J., vol. 83, p. 574. 3½ columns.

The Bauxite Industry. By W. M. Brewer. E. & M. J., vol. 65, p. 405. 1 column.

Aluminum Industry in the United States. E. & M. J., vol. 81, p. 505. 3 columns.

Occurrence of Gypsum

Gypsum and Its Occurrence in the Dove Valley. By T. T. Wynne. T. I. M. E., vol. 32, p. 171. 22 pages. I.

The Gypsum of the Eden Valley. By D. Burns. T. I. M. E., vol. 25, p. 410. 24 pages. I.

Gypsum of the Uncompahgre Region, Colorado. By C. E. Siebenthal. U. S. G. S., Bull. No. 285, pp. 401–403. 1906.

The Gypsum Deposits of Nottinghamshire and Derbyshire. By A. T. Metcalfe. T. F. I. M. E., vol. 12, p. 107. 6 pages.

Gypsum in Sussex. By W. J. Kemp and G. A. Lewis. T. I. M. E., vol. 33, p. 449. 25 pages. I.

The Mining and Milling of Gypsum in Kansas. By W. R. Crane. E. & M. J., vol. 72, p. 602. 6 columns. I.

Montana Gypsum Deposits. By J. P. Rowe. M. & M., vol. 28, p. 59. 4 columns. I.

Gypsum in Northwestern New Mexico. By M. K. Shaler. U. S. G. S., Bull. No. 315, pp. 260–265. 1907.

The White Sands of New Mexico: Gypsum. By F. W. Brady. M. & M., vol. 25, p. 529. 4 columns. I.

Gypsum in Northwestern New Mexico. E. & M. J., vol. 83, p. 1091. 1 column.

Gypsum or Land Plaster in Ohio. By E. Orton. U. S. G. S., Mineral Resources for 1887, pp. 596–601. 1888.

Gypsum Deposits of the United States. By G. I. Adams and others. U. S. G. S., Bull. No. 223. 123 pages. 1904.

Gypsum and Gypsum Products. By E. F. Burchard. U. S. G. S., Mineral Resources for 1906, pp. 1069–1078. 1907.

Gypsum and Gypsum Products. U. S. G. S., Mineral Resources for 1905, pp. 1105–1115. 1906.

Rock Gypsum at Nephi, Utah. By J. M. Boutwell. U. S. G. S., Bull. No. 225, pp. 483–487. 1904.

Gypsum Deposits of the Laramie District, Wyoming. U. S. G. S., Bull. No. 285, pp. 404–405. 1906.

Occurrence of Quicksilver

Quicksilver in New South Wales. E. & M. J., vol. 61, p. 401. ½ column.

The Quicksilver Mines of Idria, Austria. By T. L. Genter. E. & M. J., vol. 76, p. 923. 6 columns. I.

The Mining and Working of Quicksilver Ores at Idria, Austria. E. & M. J., vol. 32, p. 417. 2½ columns.

Cinnabar-Bearing Rocks of British Columbia. By G. F. Monckton. T. I. M. E., vol. 27, p. 463. 8 pages. I.

The Occurrence of Cinnabar in British Columbia, Canada. By W. H. Merritt. T. F. I. M. E., vol. 13, p. 593. 3 pages. I.

Notes on the Occurrence of Quicksilver in Canada. By A. J. Colquhoun. J. C. M. I., vol. 2, p. 13. 4 pages. I.

Mercury in Ores from the North Shore of Lake Superior. By W. M. Courtis. E. & M. J., vol. 27, p. 217. 1 column.

The Geology of the Quicksilver Mines of California. By L. Wagoner. E. & M. J., vol. 34, p. 334. 1⅔ columns.

New Almaden Mines of Santa Clara County, California. By A. Lakes. M. & M., vol. 19, p. 346, 6½ columns, I.; and p. 416, 6 columns, I.

Quicksilver in California. By C. G. Yale. Min. & Sci. Press, vol. 94, p. 22. ¾ column.

Quicksilver Reduction at New Almaden [California]. By S. B. Christy. U. S. G. S., Mineral Resources for 1883–84, pp. 503–536. 1885.

Quicksilver Mining in California. By G. A. Tweedy. E. & M. J., vol. 73, p. 50. 1 column.

Quicksilver Mines of New Almaden, California. E. & M. J., vol. 47, p. 10. 2 columns. I.

Quicksilver Mines of California. E. & M. J., vol. 21, p. 157, 2 columns; p. 180, 1 column.

The Quicksilver Deposits of California. By W. Forstner. E. & M. J., vol. 78, p. 385. 5½ columns.

Quicksilver Mines (New Almaden, California). Min. & Sci. Press, vol. 60, p. 303. 4 columns.

Quicksilver in California. T. A. I. M. E., California Mines and Minerals, p. 430. 4 pages. I.

Pope Valley Quicksilver Mines, California. Min. & Sci. Press, vol. 27, p. 89. 1⅓ columns. I.

Quicksilver in San Luis Obispo County. Min. & Sci. Press, vol. 27, p. 102. ⅔ column.

Quicksilver Mining. Min. & Sci. Press, vol. 27, p. 152. 2½ columns.

Sonoma County Quicksilver Mines. Min. & Sci. Press, vol. 27, p. 166. ¾ column.

Geology of the Quicksilver Deposits of the Pacific Slope, with Atlas. By G. F. Becker. U. S. G. S., Monograph XIII. 486 pages. 1888.

Note on the Occurrence of Mercury at Quindiú, Tolima, United States of Colombia. By E. Halse. T. F. I. M. E., vol. 5, p. 59. 8 pages. I.

Quicksilver in China. E. & M. J., vol. 84, p. 152. 1 column.

The Mercury Mining District of Monte Amiata, Italy. By V. Spirek. Min. Mag., vol. 13, p. 277. 26 columns. I.

Mercury in Japan. T. A. I. M. E., vol. 5, p. 297.

The Quicksilver Deposits of Huitzuco. By F. D. Pagliucci. E. & M. J., Mar. 2, 1905, p. 417. 3 columns. I.

The Quicksilver Mines and Reduction-Works at Huitzuco, Guerrero, Mexico. By E. Halse. T. F. I. M. E., vol. 10, p. 72. 16 pages. I.

Quicksilver Mining in the District of Guadalcazar, State of San Luis Potosi, Mexico. By H. F. Collins. T. I. M. & M., vol. 4, p. 121.

Quicksilver Ores in Mexico. Min. & Sci. Press, vol. 57, p. 38. 1 column.

The Quicksilver Deposits of Oregon. By W. B. Dennis. E. & M. J., vol. 76, p. 539. 7¼ columns. I.

Quicksilver Deposits of Huancavelica, Peru. By A. J. Umlauff. Cuerpo de Ingenieros de Minas del Peru. Bol. No. 7. Min. Mag., Jan., 1905, p. 88. 1 column.

The Quicksilver Mine of Santa Barbara, Peru. E. & M. J., vol. 5, p. 277. 1¼ columns.

Quicksilver in Russia. By W. A. Abegg. E. & M. J., vol. 48, p. 26. 1 column.

The Quicksilver Mine and Works at Zaitshreff, Russia. E. & M. J., vol. 46, p. 302. ½ column.

The Almaden Quicksilver Mines. E. & M. J., vol. 37, p. 25. 1½ columns.

Mines and Works of Almaden. Min. & Sci. Press, vol. 37, p. 185, 3¼ columns, I.; p. 201, ⅔ column; p. 217, 2 columns, I.; p. 232, 1¾ columns; p. 249, 2 columns, I.; p. 257, 3 columns, I.; p. 273, ⅞ column, I.; p. 297, 3 columns, I.; p. 313, 3 columns, I.; p. 342, 2½ columns; p. 358, 2 columns; p. 377, 3 columns; p. 394, 2 columns; p. 408, 1½ columns; vol. 38, p. 6, 1½ columns; p. 22, 1⅔ columns; p. 34, 1½ columns; p. 54, 2 columns.

The Quicksilver Mines of Brewster County, Texas. By E. P. Spalding. E. & M. J., vol. 71, p. 749. 3½ columns. I.

Cinnabar in Texas. By W. P. Blake. T. A. I. M. E., vol. 25, p. 68.

The Terlingua Quicksilver District, Texas. By M. P. Kirk. Min. Mag., vol. 11, p. 441. 6 columns. I.

A New Quicksilver Field in Brewster County, Texas. E. & M. J., vol. 77, p. 160, 2½ columns; p. 685, 2 columns, I.

The Cinnabar Deposits of the Big Bend Province of Texas. By R. T. Hill. E. & M. J., vol. 74, p. 305. 7¾ columns. I.

The Terlingua Quicksilver Mining District, Brewster County, Texas. By H. W. Turner. Min. & Sci. Press, vol. 81, p. 64. 1½ columns. I.

Quicksilver in Texas. E. & M. J., vol. 82, p. 1028. 1 column.

Quicksilver Ore Deposits. U. S. G. S., Mineral Resources for 1892, pp. 139–168. 1893.

Quicksilver. By J. M. Boutwell. U. S. G. S., Mineral Resources for 1906, pp. 491–499. 1907.

Quicksilver Deposits of the Pacific Coast. E. & M. J., vol. 49, p. 136. 2 columns.

Extension of the Quicksilver District in Brewster County, Texas. By W. B. Phillips. E. & M. J., vol. 78, p. 212.

Conditions of the Quicksilver Industry in Brewster County, Texas. E. & M. J., vol. 78, p. 553.

Occurrence of Phosphates

Notes on the Geological Origin of Phosphate of Lime in the United States and Canada. By W. B. M. Davidson. T. A. I. M. E., vol. 21, p. 139.

The Present Formation of Phosphatic Concretions in Deep Sea Deposits. By W. B. M. Davidson. E. & M. J., vol. 53, p. 499. 1 column.

The Phosphate Beds of the Maltese Islands. By J. H. Cooke. E. & M. J., vol. 54, p. 200. 4 columns. I.

Phosphate Rock in Algeria. E. & M. J., vol. 82, p. 918. ¾ column.

Algerian Phosphate Deposits. E. & M. J., vol. 58, p. 418. ⅔ column.

The Phosphates of Algeria and Tunis. By W. B. M. Davidson. E. & M. J., vol. 52, p. 614. ½ column.

The Phosphates and Marls of Alabama. By E. A. Smith. T. A. I. M. E., vol. 25, p. 811.

Phosphates of Alabama. By W. C. Stubbs. U. S. G. S., Mineral Resources for 1883–84, pp. 794–803. 1885.

The Phosphates of Northern Arkansas. By A. H. Purdue. E. & M. J., vol. 83, p. 1038. ¾ column.

Developed Phosphate Deposits of Northern Arkansas. By A. H. Purdue. U. S. G. S., Bull. No. 315, pp. 463–473. 1907.

The Phosphate-Deposits of Arkansas. By J. C. Branner. T. A. I. M. E., vol. 26, p. 580.

The Phosphate Mines of Canada. By H. B. Small. T. A. I. M. E., vol. 21, pp. 774, 1000.

The Phosphate Mines of South Carolina: A Description of the Peculiar Deposits and the Methods of Mining. By G. Leighton. M. & M., vol. 18, p. 200. 4 columns.

Mining, Washing and Calcining South Carolina Land Phosphate. By W. de L. Benedict. E. & M. J., vol. 53, p. 349. 1½ columns.

The Phosphate Deposits of South Carolina. By O. A. Moses. U. S. G. S., Mineral Resources for 1882, pp. 504–521. 1883.

Mining Phosphate Rock in South Carolina. E. & M. J., vol. 32, p. 285. 1½ columns.

The Florida Rock-Phosphate Deposits. By G. M. Wells. T. A. I. M. E., vol. 25, p. 163.

The Florida Pebble-Phosphates. By E. W. Codington. T. A. I. M. E., vol. 25, p. 423.

A Preliminary Sketch of the Phosphates of Florida. By G. H. Eldridge. T. A. I. M. E., vol. 21, p. 196.

Notes on Florida Phosphate Beds. By F. Wyatt. E. & M. J., vol. 50, p. 218. 3 columns. I.

The Phosphate Beds of Florida. By A. R. Ledoux. E. & M. J., vol. 49, p. 175. 5 columns.

Notes on the Geology of the Florida Phosphates. By N. H. Darton. Am. Jour. Sci., 3d series, vol. 41, pp. 102–105. 1891.

Florida Land Pebble Phosphate. By W. B. Phillips. E. & M. J., vol. 69, p. 201. 2 columns.

Notes from the Florida Phosphate Fields. E. & M. J., vol. 52, p. 592, 1 column; p. 612, 2 columns; p. 642, 2 columns; p. 674, 1 column; p. 697, ⅓ column.

Florida Pebble and Nodular Phosphate of Lime. By E. T. Cox. E. & M. J., vol. 52, p. 359. 2¼ columns.

Geology of Florida Phosphate Deposits. E. & M. J., vol. 51, p. 210. 1⅓ columns.

Suggestions as to the Origin and Deposition of Florida Phosphate. E. & M. J., vol. 51, p. 628. 2¼ columns. I.

Florida Phosphates: Methods of Mining. By F. Wyatt. E. & M. J., vol. 53, p. 130, 2½ columns, I.; p. 202, 4¼ columns, I.; p. 380, 2 columns.

A Phosphate Prospect in Pennsylvania. By M. C. Ihlseng. U. S. G. S., 17th Ann. Rept., pt. 3, pp. 955–957. 1896.

The Phosphate Beds of Tennessee. By J. M. Sanfford. E. & M. J., vol. 57, p. 366. ¾ column.

The Phosphate Rocks of Tennessee. By W. B. Phillips. E. & M. J., vol. 57, p. 417. 2 columns. I.

The Phosphate Deposits in Maury County, Tennessee. By J. B. Killebrew. E. & M. J., vol. 62, p. 462. 1½ columns.

The New Phosphate Discoveries in Tennessee. E. & M. J., vol. 62, p. 419. ⅔ column.

The Phosphates of Tennessee. By T. C. Meadows and L. Brown. T. A. I. M. E., vol. 24, p. 582.

The White Phosphates of Tennessee. By C. W. Hayes. T. A. I. M. E., vol. 25, p. 19.

The Mount Pleasant Phosphate District, Tennessee. By H. D. Ruhm. E. & M. J., vol. 67, p. 680. 2¾ columns.

The Mount Pleasant Phosphates in Tennessee. E. & M. J., vol. 63, p. 404. ½ column.

The White Phosphates of Decatur County, Tennessee. U. S. G. S., Bull. No. 213, pp. 424–425. 1903.

Commercial Development of the Tennessee Phosphates. By C. G. Memminger. U. S. G. S., 16th Ann. Rept., pt. 4, pp. 631–635. 1895.

Recently Discovered Extension of Tennessee White Phosphate Field. By E. C. Eckel. U. S. G. S., Mineral Resources for 1900, pp. 812–813. 1901.

The Tennessee Phosphates. By C. W. Hayes. U. S. G. S., 16th Ann. Rept., pt. 4, pp. 610–630. 1895.

The Tennessee Phosphates. By C. W. Hayes. U. S. G. S., 17th Ann. Rept., pt. 2, pp. 1–38. 1896.

A Brief Reconnaissance of the Tennessee Phosphate Field. By C. W. Hayes. U. S. G. S., 20th Ann. Rept., pt. 6, pp. 633–638. 1899.

The Geological Relations of the Tennessee Brown Phosphates. By C. W. Hayes. In Science, vol. 12, p. 1005. 1900.

Tennessee White Phosphate. By C. W. Hayes. U. S. G. S., 21st Ann. Rept., pt. 3, pp. 473–485. 1901.

Origin and Extent of the Tennessee White Phosphates. By C. W. Hayes. U. S. G. S., Bull. No. 213, pp. 418–423. 1903.

Mining Tennessee Phosphates. E. & M. J., vol. 66, p. 68. ⅔ column.

Tennessee Phosphate. By H. D. Ruhm. E. & M. J., vol. 80, p. 204, 9 columns, I.; vol. 78, p. 1032, 2½ columns.

Phosphate Mining in Tennessee. By H. D. Ruhm. E. & M. J., vol. 83, p. 522. 12½ columns. I.

Phosphate Deposits in Western United States. By F. B. Weeks and W. F. Ferrier. U. S. G. S., Bull. No. 315, pp. 449–462. 1907.

Phosphorus. U. S. G. S., Mineral Resources for 1906, pp. 1084–1090. 1907.

The Albion Phosphate District. By E. T. Cox. T. A. I. M. E., vol. 25, p. 36.

Phosphate Deposits in the West. By F. B. Weeks and W. F. Ferrier. Min. & Sci. Press, vol. 94, p. 692. 5 columns. Map.

Phosphate Rock in Utah, Idaho and Wyoming. By C. C. Jones. E. & M. J., vol. 83, p. 953. 8¼ columns. I.

Occurrence of Salt

The Salt Industry of Carrickfergus. By A. Miscampbell. T. F. I. M. E., vol. 7, p. 546. 6 pages.

Salt Mines of Wieliczka, Austria. Min. & Sci. Press, vol. 61, p. 393. ⅔ column. I.

The Manhattan Salt Mine at Goderich, Canada. By O. J. Heinrich. T. A. I. M. E., vol. 6, p. 125.

The Salt Industry of San Francisco Bay. By H. Reis. M. & M., vol. 20, p. 301. 2 columns. I.

Notes on Brine and Oil Wells in Western China. By J. V. B. Murdoch. T. I. M. & M., vol. 9, p. 362. 3 pages. I.

The Salt Wells of Szchuan, China. By W. M. Upcroft. E. & M. J., vol. 69, p. 525. 2½ columns. I.

On the Cleveland and South Durham Salt Industry. By J. Morley. T. F. I. M. E., vol. 1, p. 339. 32 pages. I.

The Tees Salt Industry. By T. W. Stuart. T. F. I. M. E., vol. 3, p. 632. 2 pages.

The Stassfurt Region Salt Deposits in Germany, with Special Reference to Potassium and Magnesium Salts. By H. B. C. Nitze. M. & M., vol. 19, p. 521. 3½ columns. I.

Rock Salt Mining in Kansas. By W. R. Crane. E. & M. J., vol. 75, p. 859. 5⅓ columns. I.

Kansas Salt Industry: Methods Employed in Obtaining Brines and the Arrangement of the Evaporating and Manufacturing Apparatus. By W. R. Crane. M. & M., Oct., 1904, p. 137.

The Petite Anse Salt-Mine. By R. A. Pomeroy. T. A. I. M. E., vol. 17, p. 107.

Rock-Salt in Louisiana. By A. F. Lucas. T. A. I. M. E., vol. 29, p. 462.

The Salines of Louisiana. By E. W. Hilgard. U. S. G. S., Mineral Resources for 1882, pp. 554–565. 1883.

Louisiana Rock Salt: Avery's Island. By H. A. Titcomb. E. & M. J., vol. 72, p. 789. 1¼ columns. I.

Salt Mines of Avery's Island, Louisiana. By H. Romeyn. M. & M., vol. 20, p. 438. 3¼ columns. I.

The Avery Island Salt Mine and the Joseph Jefferson Salt Deposit, Louisiana. By A. F. Lucas. E. & M. J., vol. 62, p. 463. 2 columns. I.

Zuñi Salt Deposits, New Mexico. By N. H. Darton. U. S. G. S., Bull. No. 260, pp. 565–566. 1905.

Salt in Nevada. Min. & Sci. Press, vol. 36, p. 295. ¾ column.

The Remington Salt Company, New York. By C. S. Palmer. E. & M. J., vol. 81, p. 1238. 1⅔ columns.

The Goderich Salt Region. By T. S. Hunt. E. & M. J., vol. 10, p. 34, 2 columns; p. 50, 1¾ columns.

The Onondaga Salt Wells in 1890. By F. E. Engelhardt. E. & M. J., vol. 51, p. 235. 1⅓ columns.

Salt and Other Resources of the Watkins Glen Quadrangle, New York. By E. M. Kindle. U. S. G. S., Bull. No. 260, pp. 567–572. 1905.

The Salt Industry of Russia. E. & M. J., vol. 67, p. 263. 1¾ columns.

The Salt Mines of Cracow, Poland. E. & M. J., vol. 6, p. 321. 2½ columns.

Salt, Gypsum, and Petroleum in Trans-Pecos, Texas. By G. B. Richardson. U. S. G. S., Bull. No. 260, pp. 573–585. 1905.

The Goderich Salt Region. By T. S. Hunt. T. A. I. M. E., vol. 5, p. 538.

Salt-Making Processes in the United States. By T. M. Chatard. U. S. G. S., 7th Ann. Rept., pp. 491–535. 1888.

Salt Industry of Utah and California. U. S. G. S., Bull. No. 225, pp. 488–495. 1904.

Salt and Gypsum Deposits of Southwestern Virginia. By E. C. Eckel. U. S. G. S., Bull. No. 213, pp. 406–416. 1903.

Occurrence of Apatite

Note on the Apatite Region of Canada. By T. S. Hunt. T. A. I. M. E., vol. 14, p. 495.

On the Mode of Occurrence of Apatite in Canada. E. & M. J., vol. 39, p. 316. 3 columns.

The Apatite Deposits of Canada. By T. S. Hunt. T. A. I. M. E. vol. 12, p. 459.

Occurrence of Monazite

The Monazite Districts of North and South Carolina. By C. A. Mezger. T. A. I. M. E., vol. 25, pp. 822, 1036.

North Carolina Monazite. By H. B. C. Nitze. T. A. I. M. E., vol. 25, p. 40.

Occurrence of Sulphur

The Sulphur Mines of the Caucasus. E. & M. J., vol. 45, p. 435. 1 column.

The Sulphur Mines of Italy. By E. Bignami. Eng. Mag., Nov., 1904, and Min. Mag., Jan., 1905, p. 61. 4 columns.

The Etrofu Sulphur Deposits. E. & M. J., vol. 71, p. 211. ½ column.

The Sulphur Mines of Sicily. E. & M. J., vol. 46, p. 174, 1⅔ columns; p. 192, 2 columns.

The Sulphur Mines of Sicily. Coll. Engr., vol. 9, p. 61. ½ column.

Sulphur Mines of Sicily. By C. Ledoux. E. & M. J., vol. 20, p. 407. 2½ columns.

The Sulphur Mines of Italy. E. & M. J., vol. 22, p. 169. 1⅓ columns.

A Japanese Sulphur Mine. E. & M. J., vol. 53, p. 157. ⅔ column.

Sulphur in Japan. T. A. I. M. E., vol. 5, p. 297.

The Louisiana Sulphur Industry. By A. J. Lotka. E. & M. J., vol. 80, p. 97. 1¾ columns.

Revival of the American Sulphur Industry (Louisiana). E. & M. J., vol. 78, p. 592. 2 columns. I.

The Calcasieu Sulphur Mine, Louisiana. E. & M. J., vol. 13, p. 99. 2½ columns.

The Calcasieu Sulphur Mines of Louisiana. E. & M. J., vol. 11, p. 152, ⅔ column; p. 265, 1⅔ columns; p. 394, 1⅓ columns.

The Sulphur Mines of Louisiana. By D. A. Willey. E. & M. J., vol. 84, p. 1107. 3½ columns. I.

Sulphur Mining in Louisiana. E. & M. J., vol. 78, p. 141. ½ column.

The Rabbit Hole Sulphur Mines, Near Humboldt House, Nevada. By G. I. Adams. U. S. G. S., Bull. No. 225, pp. 497–500. 1904.

Sulphur Deposits of Utah and Nevada. By I. C. Russell. E. & M. J., vol. 35, p. 31. 2⅞ columns.

Nevada Sulphur Deposits. By R. L. Fulton. E. & M. J., vol. 68, p. 64. ⅔ column.

Nevada Sulphur Deposits. Min. & Sci. Press, vol. 35, p. 73. 2 columns.

A New Zealand Sulphur Island. By R. W. Emerson. E. & M. J., vol. 45, p. 399. 2 columns.

Sulphur in Russia. E. & M. J., vol. 66, p. 70. ⅓ column.

Sulphur in the South of Spain. By A. Wilson. E. & M. J., vol. 67, p. 527. ½ column.

Sulphur Mines in the South of Spain. By A. P. Wilson. T. I. M. E., vol. 16, p. 71. 4 pages. I.

Native Sulphur in El Paso County, Texas. By G. B. Richardson. U. S. G. S., Bull. No. 260, pp. 589–592. 1905.

The Texas and Other American Sulphur Deposits. E. & M. J., vol. 62, p. 26. ¾ column.

The Cove Creek Sulphur Beds, Utah. By W. T. Lee. U. S. G. S., Bull. No. 315, pp. 485–489. 1907.

The Sulphur-Deposits of Southern Utah. By A. F. DuFaur. T. A. I. M. E., vol. 16, p. 33.

Sulphur Mining and Refining in Wyoming. By L. W. Trumbull. M. & M., vol. 27, p. 314. 3½ columns. I.

Occurrence of Barytes

Barytes in Missouri. E. & M. J., vol. 73, p. 762. 1¼ columns.

Barytes Deposits at Five Islands, Nova Scotia. By W. S. Hutchinson. E. & M. J., vol. 84, p. 825. 5 columns. I.

Barite in Southern Pennsylvania. By G. W. Stose. U. S. G. S., Bull. No. 225, pp. 515–517. 1904.

The Barytes Industry of the South. By E. K. Judd. E. & M. J., vol. 83, p. 751. 6 columns. I.

Occurrence of Borax

Reconnaissance of the Borax Deposits of Death Valley and Mohave Desert. By M. R. Campbell. U. S. G. S., Bull. No. 200. 23 pages. 1902.

Death Valley, California. By R. H. Chapman. Min. & Sci. Press, vol. 94, p. 215. 6 columns. I.

Death Valley Borax. By O. M. Boyle. E. & M. J., vol. 84, p. 1133. 1½ columns.

Borax Mining in California. By D. A. Willey. E. & M. J., vol. 82, p. 633. 4 columns. I.

California Borax Mines. Min. & Sci. Press, vol. 69, p. 4. 1½ columns.

Borax Deposits of Eastern California. U. S. G. S., Bull. No. 213, pp. 401–405. 1903.

A Borax Mine in Southern Oregon. By W. B. Dennis. E. & M. J., vol. 73, p. 581. 1 column. I.

Borax. By C. G. Yale. U. S. G. S., Mineral Resources for 1889–1890, pp. 494–506. 1902.

Borax. By C. G. Yale. U. S. G. S., Mineral Resources for 1906, pp. 1059–1062. 1907.

American Borax Mines. By Don Maguire. M. & M., Feb., 1903, pp. 298, 405.

Occurrence of Asbestos

The Danville Asbestos Mine, Canada. By M. Penhale. E. & M. J., vol. 60, p. 416. ¾ column.

Asbestos and Its Production in Canada. By W. Mollmann. J. C. M. I., vol. 5, p. 343. 8 pages. I.

Asbestos in Canada. E. & M. J., vol. 80, p. 924. 4 columns. I.

Asbestos Mining in Canada. By F. Cirkel. Min. Mag., vol. 13, p. 53. 8 columns.

Mining Asbestos in Canada. By W. Mollmann. Min. & Sci. Press, vol. 85, p. 46. 1 column.

The Asbestos Fields of Port au Port, Newfoundland. By C. E. Willis. J. M. Soc. N. S., vol. 2, p. 166. 8 pages.

Note on Asbestos Mining in Asiatic Russia. By H. C. Reihle. J. C. M. I., vol. 6, p. 372. 1 page. I.

Asbestos. By J. S. Diller. U. S. G. S., Mineral Resources for 1906, pp. 1123–1129. 1907.

Asbestos: The Sources of Supply, Methods of Mining and the Processes Used in Manufacturing. By A. L. Summers. M. & M., Nov., 1902, p. 172. 2 columns.

Notes on the Occurrence of Asbestos in Lamoille and Orleans Counties, Vermont. By J. F. Kemp. U. S. G. S., Mineral Resources for 1900. pp. 862–866. 1901.

Occurrence of Mica

On the Occurrence of Mica in Brazil and on its Preparation for the Market. By H. K. Scott. T. I. M. & M., vol. 12, p. 351. 14 pages. I. Map.

Mica Mining in North Carolina. By W. B. Phillips. E. & M. J., vol. 45, p. 286, 1 column; p. 306, 1½ columns; p. 322, 1 column; p. 382, 1½ columns; p. 398, 1½ columns; p. 418, 1 column; p. 436, ¾ column.

Mica Mining in North Carolina. By W. B. Phillips. U. S. G. S., Mineral Resources for 1887, pp. 661–671. 1888.

Mica Deposits of Western North Carolina. By D. B. Sterrett. U. S. G. S., Bull. No. 315, pp. 400–422. 1907.

The Mica Veins of North Carolina. By W. C. Kerr. T. A. I. M. E., vol. 8, p. 457.

Mica Mining in India. E. & M. J., vol. 65, p. 314. 1 column.

Mica Mining in Bengal, India. By A. M. Smith. E. & M. J., vol. 68, p. 246. 1⅓ columns.

Mica Mining in Bengal, India. By A. M. Smith. T. I. M. & M., vol. 7, p. 168. 6 pages.

Geology of the Mica Deposits of the United States. By J. A. Holmes. E. & M. J., vol. 67, p. 174. 1 column.

Notes on the Occurrence of Mica in South Norway. By J. F. Wells. T. I. M. & M., vol. 7, p. 334. 6 pages. I.

Mica. U. S. G. S., Mineral Resources for 1906, pp. 1149–1163. 1907.

The Occurrence and Uses of Mica. By M. L. Fuller. Stone, vol. 19, pp. 530–532. 1899.

Mica Deposits in the United States. By J. A. Holmes. U. S. G. S., 20th Ann. Rept., pt. 6, pp. 691–707. 1899.

Mica Mining in India and the United States. Min. & Sci. Press, vol. 81, p. 281. 2½ columns. I.

Mica in the Hartville Uplift, Wyoming. By S. H. Ball. U. S. G. S., Bull. No. 315, pp. 423–425. 1907.

Occurrence of Nitrates

The Nitrate Deposits and Trade of Chili. E. & M. J., vol. 50, p. 164. 2½ columns.

The Sodium Nitrate Deposits of the Colorado. By H. W. Turner. Min. & Sci. Press, vol. 94, p. 634. 3 columns. I.

The Occurrence of Anhydrite in the North of England. By C. E. de Rance. T. I. M. E., vol. 17, p. 75. 10 pages.

Potassium Mining Near Hannover, Germany. E. & M. J., vol. 68, p. 753. Note.

The Potassium Salts Industry of Germany. By E. Mackey-Heriot. E. & M. J., vol. 72, p. 462. 2½ columns.

Gila River (New Mexico) Alum Deposits. E. & M. J., vol. 83, p. 853. 1¼ columns.

Alum Deposit Near Silver Peak, Esmeralda County, Nevada. By J. E. Spurr. U. S. G. S., Bull. No. 225, pp. 501–502. 1904.

Nitrate Deposits, Humboldt County, Nevada. Min. & Sci. Press, vol. 84, p. 63. ½ column.

Occurrence and Treatment of the Carbonate of Soda Deposits of the Great Basin, Nevada. Min. & Sci. Press, vol. 77, p. 448. 2½ columns.

The Gila River Alum Deposits. U. S. G. S., Bull. No. 315, pp. 215–223. 1907.

A. E. Hunt, U. S. G. S., Mineral Resources for 1892, pp. 227–254. 1893.

Natural Sodium Salts. By R. L. Packard. U. S. G. S., Mineral Resources for 1893, pp. 728–738. 1894.

Potassium Salts. By W. C. Day. U. S. G. S., Mineral Resources for 1887, pp. 628–650. 1888.

Sodium Salts. By W. C. Day. U. S. G. S., Mineral Resources for 1887, pp. 651–658. 1888.

The Nitrate of Soda Industry. E. & M. J., vol. 71, p. 241. 2½ columns. I.

Epsom Salts in Wyoming. By W. C. Knight. E. & M. J., vol. 75, p. 259. 1 column.

Deposits of Hydroborate of Lime: Its Exploitation and Refination. By C. A. Lynes Haskold. T. I. M. E., vol. 23, p. 456. 15 pages.

The Saltpetre-Industry of Chili. By Semper. T. I. M. E., vol. 27, p. 737. 2 pages.

Occurrence of Diamonds

Diamonds in Rhodesia, South Africa. T. I. M. E., vol. 31, p. 87. 1 page+.

Diamondiferous Deposit of Kimberley. T. N. S. I. M. & M. E., vol. 10, p. 78. 5 pages.

The New African Diamond Mine. By G. A. Troge. E. & M. J., vol. 78, p. 132. 1¾ columns.

Remarks on the Occurrence of South Africa Diamonds. By R. W. Raymond. T. A. I. M. E., vol. 2, p. 143.

The Diamond Districts of the Vaal River. By T. L. Carter. E. & M. J., vol. 76, p. 354. 4 columns.

The Diamond Placers of the Vaal River, South Africa. By F. E. Coe. T. I. M. & M., vol. 13, p. 518. 14 pages. I.

Occurrence of Diamonds in South Africa, with the Method of their Extraction as Adopted at the De Beers Diamond Mines. By L. J. Abrahams. J. C. M. I., vol. 5, p. 62. 13 pages.

The Phenomena of the Diamondiferous Deposits in South Africa. By E. F. Heneage. T. I. M. & M., vol. 12, p. 115. 24 pages.

Diamond Bearing Deposits. Diamond Mines of South Africa, pp. 479–510.

Diamonds in Arkansas. E. & M. J., vol. 84, p. 270. 2½ columns.

Diamonds in Arkansas. By H. S. Washington. M. & M., vol. 28, p. 552. 2¾ columns.

The Occurrence of Diamonds in Matrix at Oakey Creek, near Inverell, New South Wales. By T. W. E. David. Min. & Sci. Press, vol. 94, p. 63. 2 columns. I.

Diamonds in Australia. Min. & Sci. Press, vol. 68, p. 230. ⅔ column.

Australian Diamonds. E. & M. J., vol. 66, p. 243. ½ column.

On the Occurrence of Diamonds at Inverell, New South Wales. By H. M. Porter. T. I. M. & M., vol. 6, p. 273.

Diamond Mining in New South Wales. By J. Hunt. E. & M. J., vol. 10, p. 396. 1 column.

Diamonds in New South Wales. E. & M. J., vol. 78, p. 300. ½ column.

Carbons in Brazil. M. & M., vol. 19, p. 203. 1 column.

The Diamond Deposits of Salobro, Brazil. By F. de Paula Oliveira. E. & M. J., vol. 72, p. 635. 4 columns.

Diamond Mining in Brazil. E. & M. J., vol. 77, p. 893. ⅓ column.

Brazilian Diamonds and Carbons. E. & M. J., vol. 33, p. 132. ½ column. I.

Diamond Mining in the Province of Minas-Geraes, Brazil. E. & M. J., vol. 36, p. 216, 1¾ columns; and p. 233, 1 column.

Diamond and Bort Mining in Brazil. E. & M. J., vol. 82, p. 821. 1 column.

Diamond Mining in Brazil. E. & M. J., vol. 83, p. 1188. 2 columns.

Diamond and Gold Mining in Minas Geraes, Brazil. Min. & Sci. Press, vol. 78, p. 640, 2⅙ columns; p. 668, 2 columns; vol. 79, p. 9, 2⅓ columns; and p. 37, 1½ columns.

Diamond Fields of the Pacific Coast. Min. & Sci. Press, vol. 25, p. 72. 1 column.

Diamonds in California. Min. & Sci. Press, vol. 70, p. 102. 2½ columns.

Diamond Fields of British Guiana. E. & M. J., vol. 73, p. 375. ⅔ column.

Diamond-Bearing Deposits in British Guiana. E. & M. J., vol. 71, p. 55. ½ column.

The Arizona Diamond Fields, Colorado. Min. & Sci. Press, vol. 25, p. 316. 1⅓ columns.

The Diamond Swindle. Min. & Sci. Press, vol. 25, p. 344. 2¼ columns.

The Diamond Mines of India. By A. M. Smith. E. & M. J., vol. 53, p. 454. 1⅙ columns.

The Occurrence of Diamonds in Russia. By R. Helmhacker. E. & M. J., vol. 66, p. 516. ⅓ column.

Diamonds in the United States. Am. Jour. Min., vol. 4, p. 145. 1 column.

The Occurrence of Diamonds in the Drift of Some of the Northern States. By Robt. Bell. J. C. M. I., vol. 9, p. 124. 4 pages.

Occurrence of Onyx, Sapphire, Emeralds, Ruby, Turquoise, etc.

The Onyx Deposits of Barren County, Kentucky. By S. S. Gorby. E. & M. J., vol. 67, p. 707. 2¼ columns. I.

Mexican Onyx Mines. E. & M. J., vol. 52, p. 729. 1½ columns.

Gems and Precious Stones of Mexico. By G. F. Kunz. T. A. I. M. E., vol. 32, p. 55.

Sapphire Mining, Yogo, Montana. Min. & Sci. Press, vol. 83, p. 34. 3½ columns. I.

The Greatest Gem Mine in the World: The Sapphire Workings at Yogo Gulch, Montana. M. & M., vol. 27, p. 100. ¼ column.

Precious Stones in the United States. M. & M., June, 1901, p. 508. ¼ column.

Opal Mining in Australia. By C. C. Beresford. Min. & Sci. Press, vol. 90, p. 338. 3 columns.

The White Cliffs Opal Fields, New South Wales. By F. G. de V. Gipps. E. & M. J., vol. 59, p. 437. 1½ columns.

Emerald Mines of Austria. By A. Thompson. E. & M. J., vol. 82, p. 267. ½ column.

The Discovery of Emeralds and Hiddenite in North Carolina. By W. E. Hidden. U. S. G. S., Mineral Resources for 1882, pp. 500–503. 1883.

The Emerald Mines of Muzo, Colombia. E. & M. J., vol. 57, p. 442. ½ column.

Emerald Mines in Colombia: Government Mines, Regulations Governing Leasing. E. & M. J., vol. 75, p. 931. ½ column.

Colombia Emerald Mines. E. & M. J., vol. 80, p. 293. 1⅓ columns.

A Visit to the Emerald Mines of Muzo, United States of Colombia. By T. B. Nichols. P. E. Soc. W. Pa., vol. 10, p. 84. 7 pages.

Ruby Mining in Burma. E. & M. J., vol. 49, p. 636. ½ column.

The Ruby Mines of Burma. By T. T. Wynne. E. & M. J., vol. 63, p. 601. 2 columns.

The Ruby Mines of Burma. By T. T. Wynne. T. I. M. & M., vol. 5, p. 161. 1½ columns.

The Burro Mountain Turquoise District. By G. D. Reid. E. & M. J., vol. 75, p. 786. 2 columns.

Turquoise Mining in Arizona and New Mexico. Min. & Sci. Press, vol. 85, p. 102. 3¾ columns. I.

A Turquoise Deposit in Mohave County, Arizona. By A. B. Frenzel. E. & M. J., vol. 66, p. 697. 1⅔ columns. I.

The Turquoise Mines of the Cerrillos Mountains in New Mexico. By A. Lakes. M. & M., Apr., 1901, p. 395. 2 columns.

Turquoise of New Mexico. By B. Silliman. E. & M. J., vol. 32, p. 169. 1⅔ columns. I.

Turquoise in Southwestern New Mexico. E. & M. J., vol. 51, p. 719. ½ column.

Turquoise Mining in New Mexico. By W. C. Fenderson. Min. & Sci. Press, vol. 74, p. 192. 2½ columns. I.

Occurrence of Asphalts

The Asphalt Deposits of Pike County, Arkansas. By C. W. Hayes. E. & M. J., vol. 74, p. 782. 3 columns. I.

Asphalt Deposits of Pike County, Arkansas. By C. W. Hayes. U. S. G. S., Bull. 213, pp. 353–355. 1903.

A Bituminous Rock Deposit in Santa Barbara County, California. By A. S. Cooper. E. & M. J., vol. 66, p. 278. 4 columns. I.

The California Asphalt Industry. By F. H. Minard. E. & M. J., vol. 76, p. 503, 8 columns, I.; and p. 666, 1 column.

California Asphaltum. By A. Lakes. M. & M., vol. 20, p. 108. 2½ columns. I.

Bituminous Rock Deposits in the Vicinity of San Luis Obispo, California. Min. & Sci. Press, vol. 76, p. 661. 2½ columns. I.

The Asphaltum Deposits of California. By E. W. Hilgard. U. S. G. S., Mineral Resources for 1883–84, pp. 938–948. 1885.

California Asphalt Products. Min. & Sci. Press, vol. 74, p. 469. 2½ columns. I.

Bituminous Rock in California. Min. & Sci. Press, vol. 87, p. 151. 1 column. I.

Grahamite in Colorado. Sch. Mines Quart., vol. 8, p. 332. 1½ pages.

Asphalt Mines in Colombia. E. & M. J., vol. 77, p. 607. ¼ column.

The Asphalt Deposits of Middle Park, Colorado. By H. A. Lee. E. & M. J., vol. 67, p. 469. ⅔ column.

Asphalt, Oil and Gas in Southwestern Indiana. By M. L. Fuller. U. S. G. S., Bull. No. 213, pp. 333–335. 1903.

The Asphalt Deposits of San Valentino, Italy. E. & M. J., vol. 77, p. 607. 1 column.

Kentucky Bituminous Rock. By M. Morris. E. & M. J., vol. 63, p. 46. 1 column.

The Kentucky Asphalt Deposits. E. & M. J., vol. 72, p. 165. ½ column.

Natural Asphalt Deposits, Kentucky. M. & M., vol. 18, p. 212. 1 column.

Asphalt in Mexico. E. & M. J., vol. 62, p. 610. ¼ column.

Asphalt in Delta County, Michigan. By A. Lane. E. & M. J., vol. 73, p. 50. 1 column.

Asphalt Mining and Refining in the Indian Territory. By W. R. Crane. E. & M. J., vol. 76, p. 926. 8 columns. I.

Asphalt in the Indian Territory. E. & M. J., vol. 80, p. 442. 4 columns. I.

Asphaltic Coal in the Indian Territory. By W. R. Crane. M. & M., vol. 26, p. 252. 7 columns. I.

ALBERTITE-LIKE ASPHALT IN THE CHOCTAW NATION, INDIAN TERRITORY. By J. A. Taff. Am. Jour. Sci., 4th ser., vol. 8, pp. 219–224. 1899.

THE COAL, LIGNITE AND ASPHALT ROCKS OF TEXAS. By W. B. Phillips. J. W. Soc. E., vol. 9, p. 571. 22 pages. I.

THE ASPHALT DEPOSITS OF WESTERN TEXAS. By T. W. Vaughan. U. S. G. S., 18th Ann. Rept., pt. 5, pp. 930–935. 1897.

NOTE ON THE OCCURRENCE OF GRAHAMITE IN TEXAS. By E. T. Dumble. T. A. I. M. E., vol. 21, p. 601.

ORIGIN AND DISTRIBUTION OF ASPHALT AND BITUMINOUS-ROCK DEPOSITS IN THE UNITED STATES. U. S. G. S., Bull. No. 213, pp. 296–305. 1903.

ASPHALTUM AND OZOKERITE IN THE UNITED STATES. By E. W. Parker. E. & M. J., vol. 52, p. 193. 2½ columns.

ASPHALT AND BITUMINOUS ROCK. U. S. G. S., Mineral Resources for 1906, pp. 1131–1137. 1907.

ASPHALTUM AND BITUMINOUS ROCK. By E. O. Hovey. U. S. G. S., Mineral Resources for 1903, pp. 745–754. 1904.

THE ASPHALT AND BITUMINOUS ROCK DEPOSITS OF THE UNITED STATES. U. S. G. S., 22d Ann. Rept., pt. 1, pp. 209–452. 1901.

ASPHALTUM. By C. Richardson. U. S. G. S., Mineral Resources for 1893, pp. 626–669. 1894.

THE UINTA AND UNCOMPAHGRE ASPHALTITES OF UTAH. E. & M. J., vol. 64, p. 10. 2½ columns.

THE UINTAHITE (Gilsonite) DEPOSITS OF UTAH. By G. H. Eldridge. U. S. G. S., 17th Ann. Rept., pt. 1, pp. 909–949. 1896.

OIL AND ASPHALT IN SALT LAKE BASIN, UTAH. By J. M. Boutwell. U. S. G. S., Bull. No. 260, pp. 468–479. 1905.

GILSONITE OR UINTAHITE: A New Variety of Asphaltum from Uinta Mountains, Utah. By J. M. Locke. T. A. I. M. E., vol. 16, p. 162.

THE HYDROCARBONS OF EASTERN UTAH, WITH SPECIAL REFERENCE TO THE DEPOSITS OF OZOKERITE, GILSONITE AND ELATERITE. By Don Maguire. M. & M., vol. 20, p. 398. 4 columns. I.

OZOKERITE DEPOSITS IN UTAH. By J. A. Taff and C. D. Smith. U. S. G. S., Bull. No. 285, pp. 369–372. 1906.

OIL AND ASPHALT PROSPECTS IN SALT LAKE BASIN, UTAH. By J. M. Boutwell. U. S. G. S., Bull. No. 260, pp. 468–479. 1905.

BITUMEN IN CUBA. By T. W. Vaughan. E. & M. J., vol. 73, p. 344. 11 columns.

MANJAK MINING, BARBADOS. E. & M. J., vol. 82, p. 18. ¾ column.

BARBADOS MANJAK (Asphaltum). By W. Merrivale. E. & M. J., vol. 66, p. 790. 1¼ columns.

OCCURRENCES AND MINING OF MANJAK IN BARBADOS, WEST INDIES. By W. Merrivale. T. F. I. M. E., vol. 14, p. 539. 10 pages.

THE ASPHALT DEPOSITS OF VENEZUELA. E. & M. J., vol. 71, p. 303. 1½ columns. I.

BENTONITE OF THE LARAMIE BASIN, WYOMING. By C. E. Siebenthal. U. S. G. S., Bull. No. 285, pp. 445–447. 1906.

THE BENTONITE DEPOSITS OF WYOMING. By C. A. Fisher. U. S. G. S., Bull. No. 260, pp. 559–563. 1905.

Occurrence of Graphite

GRAPHITE IN BOHEMIA. E. & M. J., vol. 67, p. 170. Note.

CANADIAN GRAPHITE. By H. P. H. Brumell. E. & M. J., vol. 75, p. 485. 1½ columns.

GRAPHITE MINING IN CEYLON AND INDIA. By G. A. Stonier. T. I. M. E., vol. 27, p. 536. 10 pages. I.

GRAPHITE IN MAINE. By G. O. Smith. U. S. G. S., Bull. No. 285, pp. 480–483. 1906.

Graphite in the Eastern Adirondacks. U. S. G. S., Bull. No. 225, pp. 512–514. 1904.

The New York Graphite Industry. By D. H. Newland. E. & M. J., vol. 81, p. 88. 1 column.

Graphite in New York. By D. H. Newland. E. & M. J., vol. 80, p. 241. 1¾ columns.

Relations of the Graphite Deposits of Chester County, Pennsylvania, to the Geology of the Rocks Containing Them. By P. Frazer. T. A. I. M. E., vol. 9, p. 730.

Graphite and Garnet Industries in Pennsylvania: Where the Minerals Occur, the Uses to which they are Put, and their Values. By T. C. Hopkins. M. & M., vol. 21, p. 352. 2 columns.

Graphite in Siberia. By R. Helmhacker. E. & M. J., vol. 64, p. 756. 1⅓ columns.

Occurrences of Graphite in the South. By W. M. Brewer. U. S. G. S., 17th Ann. Rept., pt. 3, pp. 1008–1010. 1896.

Graphite. U. S. G. S., Mineral Resources for 1906, pp. 1139–1143. 1907.

Graphite in the Haystack Hills, Laramie County, Wyoming. U. S. G. S., Bull. No. 315, pp. 426–428. 1907.

Occurrence of Workable Clays

Clays of the Birmingham District, Alabama. By C. Butts. U. S. G. S. Bull. No. 315, pp. 291–295. 1907.

The Clays of Arkansas. U. S. G. S., Bull. No. 351.

Clays of Garland County, Arkansas. U. S. G. S., Bull. No. 285, pp. 407–411. 1906.

Clay Deposits of the Western Part of the Durango-Gallup Coal Field of Colorado and New Mexico. By M. K. Shaler and J. H. Gardner. U. S. G. S., Bull. No. 315, pp. 296–302. 1907.

Kaolin Mining in Georgia. By B. O. Veatch. E. & M. J., vol. 83, p. 278. 5 columns. I.

Kaolins and Fire Clays of Central Georgia. By B. O. Veatch. U.S.G.S., Bull. No. 315, pp. 303–314. 1907.

Clay Industries of the Independence Quadrangle, Kansas. By F. C. Schrader and E. Haworth. U. S. G. S., Bull. No. 260, pp. 546–549. 1905.

Clays of Western Kentucky and Tennessee. By A. F. Crider. U. S. G. S., Bull. No. 285, pp. 417–427. 1906.

Clay Resources of Northeastern Kentucky. By W. C. Phalen. U. S. G. S., Bull. No. 285, pp. 412–416. 1906.

Clays of the Penobscot Bay Region, Maine. By E. S. Bastin. U. S. G. S., Bull. No. 285, pp. 428–431. 1906.

Clays of Cape Cod, Massachusetts. By M. L. Fuller. U. S. G. S., Bull. No. 285, pp. 432–441. 1906.

The Glacial Brick Clays of Rhode Island and Southeastern Massachusetts. By N. S. Shaler, J. B. Woodworth and C. F. Marbut. U. S. G. S., 17th Ann. Rept., pt. 1, pp. 957–1004. 1896.

Clay Resources of the St. Louis District, Missouri. By N. M. Fenneman. U. S. G. S., Bull. No. 315, pp. 315–321. 1907.

The Clays in the Comstock Lode. Min. & Sci. Press, vol. 42, p. 34. 1⅔ columns.

Fire Clay: A Study of the Clays of Clinton County, Pennsylvania, What Constitutes Fire Clay, How It is Deposited. M. & M., Mar., 1904, p. 378. 2½ columns.

Notes on Clays and Shales in Central Pennsylvania. By G. H. Ashley. U. S. G. S., Bull. No. 285, pp. 442–444. 1906.

White Clays of South Mountain, Pennsylvania. By G. W. Stose. U. S. G. S., Bull. No. 315, pp. 322–334. 1907.

CLAYS OF THE OHIO VALLEY IN PENNSYLVANIA. By L. H. Woolsey. U. S. G. S., Bull. No. 225, pp. 463–480. 1904.

CLAYS AND SHALES OF SOUTHWESTERN CAMBRIA COUNTY, PENNSYLVANIA. By W. C. Phalen and Lawrence Martin. U. S. G. S., Bull. No. 315, pp. 344–354. 1907.

CLAYS AND SHALES OF THE CLARION QUADRANGLE, CLARION COUNTY, PENNSYLVANIA. By E. F. Lines. U. S. G. S., Bull. No. 315, pp. 335–343. 1907.

CLAYS OF WESTERN KENTUCKY AND TENNESSEE. By A. F. Crider. U. S. G. S., Bull. No. 285, pp. 417–427. 1906.

STONEWARE AND BRICK CLAYS OF WESTERN TENNESSEE AND NORTHWESTERN MISSISSIPPI. By E. C. Eckel. U. S. G. S., Bull. No. 213, pp. 382–391. 1903.

CLAYS OF THE UNITED STATES. U. S. G. S., Mineral Resources for 1883–84, pp. 676–711. 1885.

CLAYS OF THE UNITED STATES. By F. A. Wilber. U. S. G. S., Mineral Resources for 1882, pp. 465–475. 1883.

CLAY MATERIALS OF THE UNITED STATES. U. S. G. S., Mineral Resources for 1892, pp. 712–738. 1893.

CLAY-WORKING INDUSTRIES. By J. Middleton. U. S. G. S., Mineral Resources for 1906, pp. 933–983. 1907.

TECHNOLOGY OF THE CLAY INDUSTRY. By H. Ries. U. S. G. S., 16th Ann. Rept., pt. 4, pp. 523–575. 1895.

THE CLAYS OF THE UNITED STATES EAST OF THE MISSISSIPPI RIVER. U. S. G. S., Professional Paper No. 11. 298 pages. 1903.

CLAY MATERIALS OF THE UNITED STATES. By R. T. Hill. U. S. G. S., Mineral Resources for 1891, pp. 474–528. 1892.

THE POTTERY INDUSTRY OF THE UNITED STATES. U. S. G. S., 17th Ann. Rept., pt. 3, pp. 842–880. 1896.

BIBLIOGRAPHY OF CLAYS AND THE CERAMIC ARTS. By J. C. Branner. U. S. G. S., Bull. No. 143. 114 pages. 1896.

THE CLAY DEPOSITS OF WASHINGTON. By H. Landes. U. S. G. S., Bull. No. 260, pp. 550–558. 1905.

Ocher Deposits

THE YELLOW-OCHER DEPOSITS OF THE CARTERSVILLE DISTRICT, BARTOW COUNTY, GEORGIA. By T. L. Watson. T. A. I. M. E., vol. 34, p. 643.

THE YELLOW OCHER MINES OF THE CARTERSVILLE DISTRICT, GEORGIA. By R. H. Couper. E. & M. J., vol. 69, p. 738. ½ column.

OCCURRENCE AND DEVELOPMENT OF OCHER DEPOSITS IN THE CARTERSVILLE DISTRICT, GEORGIA. By C. W. Hayes and E. C. Eckel. U. S. G. S., Bull. No. 213, pp. 427–432. 1903.

Fuller's Earth Deposits

FULLER'S EARTH DEPOSITS OF FLORIDA AND GEORGIA. U. S. G. S., Bull. No. 213, pp. 392–399. 1903.

FULLER'S EARTH OF SOUTHWESTERN GEORGIA AND FLORIDA. By T. W. Vaughan. U. S. G. S., Mineral Resources for 1901, pp. 922–934. 1902.

FULLER'S EARTH DEPOSITS OF FLORIDA AND GEORGIA. By T. W. Vaughan. U. S. G. S., Bull. No. 213, pp. 392–399. 1903.

THE FULLER'S EARTH INDUSTRY IN THE UNITED STATES. M. & M., Feb., 1902, p. 305. 1½ columns.

THE FULLER'S EARTH OF SOUTH DAKOTA. By H. Ries. T. A. I. M. E., vol. 27, p. 333.

PROPERTIES AND TESTS OF FULLER'S EARTH. By J. T. Porter. U. S. G. S., Bull. No. 315, pp. 268–290. 1907.

Diatomaceous Earths

DIATOMACEOUS SANDS OF RICHMOND, VIRGINIA. By M. Coryell. T. A. I. M. E., vol. 4, p. 230.

DIATOM-EARTH IN ARIZONA. By W. P. Blake. T. A. I. M. E., vol. 33, p. 38.

DIATOMACEOUS DEPOSITS OF NORTHERN SANTA BARBARA COUNTY, CALIFORNIA. By Ralph Arnold and Robert Anderson. U. S. G. S., Bull. No. 315, pp. 438–447. 1907.

Occurrence of Fluorspar

THE FLUORSPAR AND ZINC MINES OF KENTUCKY AND ILLINOIS. By F. H. Harwood. Min. & Sci. Press, vol. 86, p. 87, 1 column; and p. 101, 3 columns.

FLUORSPAR DEPOSITS OF SOUTHERN ILLINOIS. By S. F. Emmons. T. A. I. M. E., vol. 21, pp. 31–53. 1893.

FLOURSPAR DEPOSITS OF SOUTHERN ILLINOIS. By H. F. Bain. U. S. G. S., Bull. No. 225, pp. 505–511. 1904.

FLUORSPAR DEPOSITS OF THE KENTUCKY-ILLINOIS DISTRICT: Grades of Ore, Geology of the District, and Genesis of the Ores. By H. Foster Bain. M. & M., Nov., 1904, p. 182.

FELDSPAR AND QUARTZ DEPOSITS OF MAINE. By E. S. Bastin. U. S. G. S., Bull. No. 315, pp. 383–393. 1907.

PRINCIPAL AMERICAN FLUORSPAR DEPOSITS. By H. F. Bain. Min. Mag., vol. 12, p. 115. 10 columns. I.

FLUORSPAR MINING. By E. E. Squier. E. & M. J., vol. 67, p. 527. ½ column.

FLUORSPAR. U. S. G. S., Mineral Resources for 1906, pp. 1063–1066. 1907.

Occurrence of Cement Rocks

THE LIME INDUSTRY OF KNOX COUNTY, MAINE. U. S. G. S., Bull. No. 285, pp. 393–400. 1906.

CEMENT RESOURCES OF THE CUMBERLAND GAP DISTRICT, TENNESSEE-VIRGINIA. U. S. G. S., Bull. No. 285, pp. 374–376. 1906.

PORTLAND CEMENT MATERIALS IN EASTERN WYOMING. By S. H. Ball. U. S. G. S., Bull. No. 315, pp. 232–244. 1907.

For further information on CEMENT see CONCRETE, MORTARS AND PLASTERS.

Occurrence of Glass Sands

GLASS-SAND INDUSTRY OF INDIANA, KENTUCKY AND OHIO. U. S. G. S., Bull. No. 315, pp. 361–376. 1907.

GLASS SAND OF THE MIDDLE MISSISSIPPI BASIN. U. S. G. S., Bull. No. 285, pp. 459–472. 1906.

NOTE ON A DEPOSIT OF FIRE-SAND IN CLINTON COUNTY, NEW YORK. By A. F. Brainerd. T. A. I. M. E., vol. 14, p. 757.

REQUIREMENTS OF SAND AND LIMESTONE FOR GLASS MAKING. By E. F. Burchard. U. S. G. S., Bull No. 285, pp. 452–458. 1906.

GLASS MATERIALS. By J. D. Weeks. U. S. G. S., Mineral Resources for 1883–1884, pp. 958–973. 1885.

GLASS MATERIALS. U. S. G. S., Mineral Resources for 1885, pp. 544–555. 1886.

GLASS SAND. By A. T. Coons. U. S. G. S., Mineral Resources for 1902, pp. 1007–1015. 1904.

NOTES ON GLASS SANDS FROM VARIOUS LOCALITIES, MAINLY UNDEVELOPED. U. S. G. S., Bull. No. 315, pp. 377–382. 1907.

GLASS SAND, SAND, AND GRAVEL. U. S. G. S., Mineral Resources for 1906, pp. 993–1000. 1907.

GLASS-SAND INDUSTRY IN EASTERN WEST VIRGINIA. By G. W. Stose. U. S. G. S., Bull. No. 285, pp. 473–475. 1906.

Petroleum: Its Occurrence

PETROLEUM. By F. H. Oliphant. Rept. Census Office, Mines & Quarries, 1902, p. 721. 86 columns.

PETROLEUM: An Address. By W. P. Blake. E. & M. J., vol. 76, p. 349. ⅔ column.

KEROSENE: The Origin of the Name, History of Industry, and Its Possibilities. E. & M. J., vol. 37, p. 99. 2⅔ columns.

WHO FIRST MADE AND NAMED KEROSENE? Min. & Sci. Press, vol. 31, p. 7. ⅓ column.

PRODUCTION OF PETROLEUM, 1901. M. & M., Dec., 1902, p. 226. 1 column.

PETROLEUM LANDS: Maximum and Minimum Area Conceded; Tax to State; Tax to Owners. E. & M. J., Mar. 9, 1905, p. 489. 1 column.

OIL AND GAS DEVELOPMENT IN THE MID-CONTINENTAL FIELD IN 1905. By E. Haworth. E. & M. J., vol. 81, p. 84. 7⅓ columns.

THE KAYAK COAL AND OIL FIELDS OF ALASKA. Min. & Sci. Press., vol. 87, p. 65. 2⅓ columns.

PETROLEUM IN WESTERN NORTH AMERICA: The Various Conditions under which it Occurs and where it may be Expected. By A. Lakes. M. & M., Sept., 1901, p. 78. 4½ columns.

PETROLEUM: Occurrences in the Orange River Colony. By A. R. Sawyer. T. I. M. E., vol. 31, p. 541. 4 pages. I.

THE OIL-BEARING SHALES OF THE COAST OF BRAZIL. By J. C. Branner. T. A. I. M. E., vol. 30, p. 537.

NOTES ON THE KERN RIVER OIL DISTRICT, CALIFORNIA. E. & M. J., vol. 71, p. 431. ⅞ column. I.

SUBMARINE OIL WELLS IN CALIFORNIA. By W. G. Young. E. & M. J., vol. 71, p. 55. ⅙ column.

THE COALINGA OIL FIELD, CALIFORNIA. By W. G. Young. E. & M. J., vol. 71, p. 403. 1 column.

OIL FIELDS OF CALIFORNIA: A Description of Their Location, Formation, the Quality of the Product and Extent of Development. By A. Lakes. M. & M., May, 1901, p. 467. 6¾ columns.

PETROLEUM IN CALIFORNIA. By W. L. Watts. T. A. I. M. E., vol. 29, p. 750.

SOME NOTES ON THE PETROLEUM DEPOSITS OF CALIFORNIA. Min. & Sci. Press, vol. 78, p. 533. 1¼ columns.

THE PETROLEUM FIELDS OF CALIFORNIA. U. S. G. S., Bull. No. 213, pp. 306–321. 1903.

PETROLEUM IN CALIFORNIA. By W. L. Watts. T. A. I. M. E., Special Volume, California Mines and Minerals, p. 188. 17 pages. I.

NOTES ON THE OIL-YIELDING FORMATIONS OF CALIFORNIA. By W. L. Watts. Min. & Sci. Press, vol. 79, p. 144, 7 columns, I.; and p. 172, 3¾ columns, I.

PRELIMINARY REPORT ON THE SANTA MARIA OIL DISTRICT, SANTA BARBARA COUNTY, CALIFORNIA. By R. Arnold and R. Anderson. U. S. G. S., Bull. No. 317. 69 pages. 1907.

GEOLOGY AND OIL RESOURCES OF THE SUMMERLAND DISTRICT, SANTA BARBARA COUNTY, CALIFORNIA. U. S. G. S., Bull. No. 321. 67 pages. 1907.

GEOLOGY AND OIL RESOURCES OF THE SANTA MARIA OIL DISTRICT, SANTA BARBARA COUNTY, CALIFORNIA. U. S. G. S., Bull. No. 322. 124 pages. 1907.

THE PETROLEUM FIELDS OF CALIFORNIA. U. S. G. S., Bull. No. 213, pp. 306, 321. 1903.

THE SANTA CLARA VALLEY, PUENTE HILLS, AND LOS ANGELES OIL DISTRICTS, SOUTHERN CALIFORNIA. By G. H. Eldridge and R. Arnold. U. S. G. S., Bull. No. 309. 266 pages. 1907.

The Salt Lake Oil Field, Near Los Angeles, California. By R. Arnold. U. S. G. S., Bull. No. 285, pp. 357–361. 1906.

On a New or Hitherto Unrecognized Geological Horizon in the Gas and Oil Region of Western Ontario, Canada. By H. A. Ami. J. C. M. I., vol. 2, p. 186. 6 pages. I.

Petroleum in Canada. M. & M., Sept., 1901, p. 94. 4 columns.

Notes on Brine and Oil Wells in West China. By J. V. B. Murdoch. T. I. M. & M., vol. 9, p. 362. 4 pages.

The Boulder, Colorado, Oil Field. By N. M. Fenneman. U. S. G. S., Bull. No. 213, pp. 322–332. 1903.

Prospecting for Oil in Colorado: Signs which may Indicate Oil; Geological Formations which are Favorable. By A. Lakes. M. & M., June, 1901, p. 481. 5 columns.

The Present Oil Situation in Colorado: A Review of the Histories of the Several Regions, and the Discoveries which have been Made. By A. Lakes. M. & M., Apr., 1903, p. 399. 5 columns.

Prospecting for Oil in the Region of the Cliff Dwellers of Southwestern Colorado: Formations and the Possibilities of Their Containing Oil. By A. Lakes. M. & M., May, 1902, p. 438. 4¼ columns.

Prospecting for Oil in Colorado: The Archuleta Oil Field; The San Juan River Anticline and the Navajo Basin; A Description of the Oil Springs. By A. Lakes. M. & M., Oct., 1901, p. 107.

Oil in Colorado: The Geology of the Deposits, and the Various Horizons in which Signs of Oil have been Found. By A. Lakes. M. & M., Jan., 1902, p. 256. 3 columns.

The Florence Oil-Field, Colorado. By G. H. Eldridge. T. A. I. M. E., vol. 20, p. 442.

Oil in Book Cliff Region of Colorado: A Description of the Formations Showing Oil Signs near Rifle Creek. M. & M., Aug., 1902, p. 5. 3¼ columns.

The Western Oil Field of Mesa and Rio Blanco Counties, Colorado: A Region Geologically Favorable for Oil. By A. Lakes. M. & M., Apr., 1902, p. 388.

The Florence, Colorado, Oil Field. U. S. G. S., Bull. No. 260, pp. 436–440. 1905.

Structure of the Boulder Oil Field, Colorado, with Records for the Year 1903. U. S. G. S., Bull. No. 225, pp. 383–391. 1904.

The Oilshale-Fields of the Lothians. By H. M. Cadell. T. I. M. E., vol. 22, p. 314. 58 pages. I.

Mineral Oil as Found at the Deep Main Pits, Riddings, Derbyshire. By R. A. Marshall. T. N. S. I. M. & M. E., vol. 1, p. 126. 8 pages. I.

New Tilbury and Romney Oil Fields. By E. Coste. M. & M., vol. 27, p. 559. 3½ columns.

Notes on the Cold Bay Oil-Fields. E. & M. J., vol. 76, p. 618. 2 columns. I.

The Mineral Oil Industry of Scotland. By R. T. Moore. T. F. I. M. E., vol. 4, p. 36. 11 pages.

Observations on Petroleum in Eastern Europe and the Method of Drilling for It. By A. W. Eastlake. T. F. I. M. E., vol. 3, p. 693. 36 pages. I.

The Oil-Shale Industry of France. By G. Chesneau. T. F. I. M. E., vol. 7, p. 180. 25 pages. I.

Petroleum in Japan. T. A. I. M. E., vol. 5, p. 260.

Economic Geology of the Iola Quadrangle, Kansas. By G. I. Adams. U. S. G. S., Bull. No. 238. 80 pages. 1904.

The Chanute Oil-Fields in Kansas. By E. Haworth. E. & M. J., vol. 74, p. 477. 3½ columns. I.

The Oilfield of Barren, Kentucky. E. & M. J., vol. 49, p. 197. 2 columns. I.

THE BARBOURSVILLE OIL-FIELD, KENTUCKY. By S. W. McCallie. E. & M. J., vol. 76, p. 12. 3 columns. I.

NOTES ON THE GEOLOGY OF THE MUSCOGEE OIL FIELDS, INDIAN TERRITORY. By J. A. Taff and M. K. Shaler. U. S. G. S., Bull. No. 260, pp. 441–445. 1905.

THE SOUTHEASTERN ILLINOIS OIL FIELD. By H. F. Bain. Min. & Sci. Press, vol. 92, p. 326. 1½ columns.

PETROLEUM IN ILLINOIS. By H. F. Bain. E. & M. J., vol. 83, p. 755. 4½ columns. I.

ASPHALT, OIL, AND GAS IN SOUTHWESTERN INDIANA. U. S. G. S., Bull. No. 213, pp. 333–335. 1903.

INDIANA OIL INDUSTRY. E. & M. J., Jan. 26, 1905, p. 202. 1 column.

PETROLEUM IN BURMA. E. & M. J., vol. 56, p. 81. 1½ columns. I.

THE BEREA GRIT OIL SAND IN THE CADIZ QUADRANGLE, OHIO. By W. T. Griswold. U. S. G. S., Bull. No. 198. 43 pages. 1902.

STRUCTURAL WORK DURING 1901 AND 1902 IN THE EASTERN OHIO OIL FIELDS. By W. T. Griswold. U. S. G. S., Bull. No. 213, pp. 336–344. 1903.

PETROLEUM DEPOSITS IN MEXICO. M. & M., July, 1902, p. 545. ½ column.

THE SHALE-OIL WORKS AT OREPUKI, NEW ZEALAND. By R. Dunlop. E. & M. J., vol. 72, p. 40. 1¼ columns.

PETROLEUM IN THE PHILIPPINES. By "Manila." E. & M. J., vol. 71, p. 145. 3 columns.

THE GAINES OIL FIELD OF NORTHERN PENNSYLVANIA. By M. L. Fuller. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 573–628. 1902.

THE BRADFORD OIL DISTRICT OF PENNSYLVANIA. By C. A. Ashburner. T. A. I. M. E., vol. 7, p. 316.

A FREAK OIL-FIELD. By H. C. George. E. & M. J., vol. 80, p. 876. 2 columns.

MAP OF THE OIL-FIELDS OF PENNSYLVANIA AND NEW YORK. T. A. I. M. E., vol. 10, p. 355.

THE AMOUNT OF OIL REMAINING IN PENNSYLVANIA AND NEW YORK. By H. E. Wrigley. T. A. I. M. E., vol. 10, p. 354.

THE PRODUCT AND EXHAUSTION OF THE OIL-REGIONS OF PENNSYLVANIA AND NEW YORK. By C. A. Ashburner. T. A. I. M. E., vol. 14, p. 419.

OIL AND GAS FIELDS OF EASTERN GREENE COUNTY, PENNSYLVANIA. By R. W. Stone. U. S. G. S., Bull. No. 225, pp. 396–412. 1904.

MINERAL RESOURCES OF THE ELDERS RIDGE QUADRANGLE, PENNSYLVANIA. By R. W. Stone. U. S. G. S., Bull. No. 256. 86 pages. 1905.

OIL AND GAS FIELDS OF GREENE COUNTY, PENNSYLVANIA. By R. W. Stone and F. G. Clapp. U. S. G. S., Bull. No. 304. 110 pages. 1907.

THE HYNER GAS POOL, CLINTON COUNTY, PENNSYLVANIA. U. S. G. S., Bull. No. 225, pp. 392–395. 1904.

THE NINEVEH AND GORDON OIL SANDS IN WESTERN GREENE COUNTY, PENNSYLVANIA. By F. G. Clapp. U. S. G. S., Bull. No. 285, pp. 362–366. 1906.

THE GAINES OIL FIELD IN NORTHERN PENNSYLVANIA. By M. L. Fuller. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 573–627. 1902.

PETROLEUM AND NATURAL GAS IN NEW YORK STATE. By C. A. Ashburner. T. A. I. M. E., vol. 16, p. 906.

OIL AND GAS IN WEST VIRGINIA. By I. C. White. W. Va. Geol. Sur. Rept., vol. Ia. Min. Mag., Oct.-Nov., 1904, p. 324. 2½ columns.

OIL FIELD OF BUFFALO CREEK, WEST VIRGINIA. By F. W. Brady. M. & M., vol. 28, p. 187. 5 columns. I.

NOTES ON THE ROUMANIAN OIL-FIELDS. By P. C. A. Stewart. T. A. I. M. E., vol. 37, p. 333. 7 pages. I.

Persian Oil Fields. E. & M. J., vol. 80, p. 583. 2 columns.

Oil Fuel in Russia. E. & M. J., vol. 67, p. 526. ⅞ column.

Petroleum Deposits of Baku. T. A. I. M. E., vol. 28, p. 12.

Petroleum Production in the Baku Field, Russia. E. & M. J., vol. 73, p. 613. 5½ columns. I.

The Oil Boom of Tennessee. By E. J. Schmitz. E. & M. J., vol. 61, p. 228. 2½ columns. I.

Oil Fields of the Texas-Louisiana Gulf Coastal Plain. U. S. G. S., Bull. No. 282. 146 pages. 1906.

Oil Fields of the Texas-Louisiana Coastal Plain. By N. M. Fenneman. Min. Mag., Apr., 1905, vol. 11, p. 313. 20 columns. I.

The New Texas Oil Fields. E. & M. J., vol. 71, p. 115. 1½ columns. I.

The Beaumont Oil-Field, Texas. By W. B. Phillips. E. & M. J., vol. 71, p. 175. 3¾ columns. I.

The Beaumont Oil-Field, with Notes on Other Oil-Fields of the Texas Region. By R. T. Hill. T. A. I. M. E., vol. 33, p. 363.

The Great Oil-Well near Beaumont, Texas. By A. F. Lucas. T. A. I. M. E., vol. 31, pp. 362, 1029.

Beaumont Oil Field: Account of the Recent Fire and the Present Condition of the Field and the Development in Progress. By H. H. Stock. M. & M., June, 1903, p. 490. 4¼ columns.

Oil Fields of the Texas-Louisiana Gulf Coastal Plain. By C. W. Hayes. U. S. G. S., Bull. No. 213, pp. 345–352. 1903.

Oil Fields of the Texas-Louisiana Gulf Coastal Plain. By C. W. Hayes and W. Kennedy. U. S. G. S., Bull. No. 212. 1903.

Oil and Gas Fields of the Western Interior and Northern Texas Coal Measures, and of the Upper Cretaceous and Tertiary of the Western Gulf Coast. By G. I. Adams. U. S. G. S., Bull. No. 184. 64 pages. 1901.

The Mounds of the Southern Oil-Fields. By L. Hager. E. & M. J., vol. 78, p. 137, 8 columns, I.; and p. 180, 7⅓ columns.

The Petroleum Industry of Austria-Hungary. By A. W. Eastlake. E. & M. J., vol. 56, p. 9. 1½ columns. I.

Oil and Asphaltum on the Shores of Great Salt Lake, Utah. By Don Maguire. Min. & Sci. Press, vol. 90, p. 302. 2⅔ columns. I.

Prospecting for Oil in Wyoming: A Description of the Prospects in the Country Around Medicine Butte and Red Mountain, Uinta County. By A. Lakes. M. & M., Oct., 1902, p. 99. 3⅓ columns.

The Petroleum Fields of Wyoming. By W. C. Knight. E. & M. J., vol. 72, p. 358, 4 columns, I.; and vol. 73, p. 721, 11 columns, I.

The Salt Creek Oil Field, Wyoming. By W. C. Knight. E. & M. J., vol. 61, p. 87. 3 columns. I.

Solidified Petroleum. M. & M., Jan., 1904, p. 260.

Petroleum. By F. H. Oliphant. U. S. G. S., 19th Ann. Rept., pt. 6, pp. 1–166. 1898.

Petroleum. By F. H. Oliphant. U. S. G. S., Mineral Resources for 1903, pp. 635–718. 1904. Idem for 1904, pp. 675–759. 1905.

Petroleum. U. S. G. S., Mineral Resources for 1906, pp. 827–896. 1907.

Occurrence of Natural Gas

The Geological Distribution of Natural Gas in the United States. By C. A. Ashburner. T. A. I. M. E., vol. 15, p. 505.

Arrangement of Pipes, Valves and Anchorings for Closing and Controlling Oil and Gas Wells. T. A. I. M. E., vol. 31, p. 367.

NATURAL GAS IN COLORADO: A Description of Some of Its Occurrences and the Conditions which Point to the Probability of Its Existence. By A. Lakes. M. & M., Apr., 1902, p. 417. 3 columns.

THE DISCOVERY OF NATURAL GAS IN SUSSEX, HEATHFIELD DISTRICT. By R. Pearson. T. I. M. E., vol. 26, p. 494. 14 pages. I.

THE NATURAL GAS FIELD OF INDIANA, WITH AN INTRODUCTION BY W. J. MCGEE ON ROCK GAS AND RELATED BITUMENS. By A. J. Phinney. U. S. G. S., 11th Ann. Rept., pt. 1, pp. 579–742. 1891.

THE NATURAL GAS FIELD OF INDIANA. By A. J. Phinney. U. S. G. S., 11th Ann. Rept., pt. 1, pp. 617–742. 1891.

THE INDIANA NATURAL GAS FIELD. By C. R. Boyd. E. & M. J., vol. 55, p. 440. 3 columns. I.

KANSAS NATURAL GAS: Its Control and Distribution; Method Employed in Burning It and in Measuring the Pressures. By W. R. Crane. M. & M., Jan., 1903, p. 245. 6 columns.

NATURAL GAS EXPLORATIONS IN THE EASTERN ONTARIO PENINSULA. By C. A. Ashburner. T. A. I. M. E., vol. 18, p. 290.

NATURAL GAS. By B. Hill. U. S. G. S., Mineral Resources for 1906, pp. 811–826. 1907.

NATURAL GAS. U. S. G. S., Mineral Resources for 1903, pp. 719–743. 1904. Idem for 1904, pp. 761–788. 1905.

NATURAL GAS IN 1894. By J. D. Weeks. U. S. G. S., 16th Ann. Rept., pt. 4, pp. 405–429. 1895.

ORIGIN, CONSTITUTION, AND DISTRIBUTION OF ROCK GAS AND RELATED BITUMENS. By W. J. McGee. U. S. G. S., 11th Ann. Rept., pt. 1, pp. 589–818. 1891.

NATURAL GAS NEAR SALT LAKE CITY, UTAH. By G. B. Richardson. U. S. G. S., Bull. No. 260, pp. 480–483. 1905.

VOLCANIC ASH NEAR DURANGO, COLORADO. By L. H. Woolsey. U. S. G. S., Bull. No. 285, pp. 476–479. 1906.

THE DEPOSITS OF VOLCANIC ASH IN NEBRASKA. E. & M. J., vol. 64, p. 549. 1¾ columns. I.

Distribution of Building Stone, Talc, Chalk, Novaculites, Emery, etc.

THE OCCURRENCE OF OUR BUILDING STONES. By F. Z. Schellenberg. P. E. Soc. W. Pa., vol. 20, p. 447. 5 pages.

A NOTE ON VARIETIES OF SERPENTINE IN SOUTHEASTERN QUEBEC. By J. A. Dresser. J. C. M. I., vol. 8, p. 267. 5½ pages.

THE STONE INDUSTRY IN THE VICINITY OF CHICAGO, ILLINOIS. By W. C. Alden. U. S. G. S., Bull. No. 213, pp. 357–360. 1903.

THE CEDAR VALLEY QUARRY, IOWA. By S. Calvin. E. & M. J., vol. 61, p. 544. 2 columns. I.

NOTES ON IOWA BUILDING STONES. By H. F. Bain. U. S. G. S., 16th Ann. Rept., pt. 4, pp. 500–503. 1895.

THE FLAGSTONE QUARRIES AT BANDARA, KANSAS. By D. F. Jones. E. & M. J., vol. 60, p. 299. 4 columns. I.

THE GEOLOGY OF THE ROAD-BUILDING STONES OF MASSACHUSETTS, WITH SOME CONSIDERATION OF SIMILAR MATERIALS FROM OTHER PARTS OF THE UNITED STATES. U. S. G. S., 16th Ann. Rept., pt. 2, pp. 277–341. 1895.

RECENT WORK ON NEW ENGLAND GRANITES. U. S. G. S., Bull. No. 315, pp. 356–359. 1907.

THE GRANITE INDUSTRY OF THE PENOBSCOT BAY DISTRICT, MAINE. By G. O. Smith. U. S. G. S., Bull. No. 260, pp. 489–492. 1905.

THE GRANITES OF MAINE. U. S. G. S., Bull. No. 313. 69 pages. 1907.

MISSOURI GRANITES. By C. R. Keyes. E. & M. J., vol. 62, p. 199. 5¼ columns. I.

BROWNSTONES OF PENNSYLVANIA. U. S. G. S., 18th Ann. Rept., pt. 5, pp. 1025–1043. 1897.

GREENSAND MARLS IN THE UNITED STATES. By F. A. Wilber. U. S. G. S., Mineral Resources for 1882, pp. 522–526. 1883.

MARBLE DEPOSITS OF CALIFORNIA. Min. & Sci. Press, vol. 68, p. 104. 1⅓ columns.

LIMESTONE OF THE REDDING DISTRICT, CALIFORNIA. By J. S. Diller. U. S. G. S., Bull. No. 213, p. 365. 1903.

LIMESTONE MINING IN SCOTLAND. By J. Morrison. T. F. I. M. E., vol. 6, p. 199. 5 pages.

SOME GEORGIA MARBLE QUARRIES. E. & M. J., vol. 60, p. 515. 1½ columns. I.

MINING HYDRAULIC LIMESTONE IN LA SALLE COUNTY, ILLINOIS. Min. & Sci. Press, vol. 50, p. 105. 4 columns. I.

THE BEDFORD OOLITIC LIMESTONE [Indiana]. By C. E. Siebenthal. U. S. G. S., 19th Ann. Rept., pt. 6, pp. 292–296. 1898.

THE BEDFORD OOLITIC LIMESTONE OF INDIANA. By T. C. Hopkins and C. E. Siebenthal. U. S. G. S., 18th Ann. Rept., pt. 5, pp. 1050–1057. 1897.

THE MARBLE INDUSTRY OF CARRARA, ITALY. E. & M. J., vol. 71, p. 115. 1½ columns.

MARBLE QUARRYING AT GOUVERNEUR, NEW YORK. By R. B. Brinsmade. E. & M. J., vol. 80, p. 728. 7½ columns. I.

THE LIMESTONE QUARRIES OF EASTERN NEW YORK, WESTERN VERMONT, MASSACHUSETTS, AND CONNECTICUT. By H. Ries. U. S. G. S., 17th Ann. Rept., pt. 3, pp. 795–811. 1896.

LIMESTONES OF SOUTHWESTERN PENNSYLVANIA. By F. G. Clapp. U. S. G. S., Bull. No. 249. 52 pages. 1905.

THE MARBLE OF HAWKINS COUNTY, TENNESSEE. By B. Willis. Sch. Mines Quart., vol. 9, p. 112. 12 pages. I.

TENNESSEE MARBLES. By A. Keith. U. S. G. S., Bull. No. 213, pp. 366–370. 1903.

PURE LIMESTONE IN BERKELEY COUNTY, WEST VIRGINIA. By G. W. Stose. U. S. G. S., Bull. No. 225, pp. 516–517. 1904.

THE SANDSTONES OF WESTERN INDIANA. By T. C. Hopkins. U. S. G. S., 17th Ann. Rept., pt. 3, pp. 780–787. 1896.

NOTES ON ARKANSAS ROOFING SLATES. U. S. G. S., Bull. No. 225, pp. 414–416. 1904.

SLATE DEPOSITS OF CALIFORNIA AND UTAH. By E. C. Eckel. U. S. G. S., Bull. No. 225, pp. 417–422. 1904.

THE RE-DEVELOPMENT OF THE SLATE-TRADE IN IRELAND. By G. H. Kinahan. Min. Mag., Jan., 1905, p. 64. 1 column.

THE WELSH SLATE QUARRIES. E. & M. J., vol. 66, p. 785. 3 columns.

THE PENRHYN QUARRY, NORTH WALES. By H. Briggs. M. & M., vol. 28, p. 545. 6½ columns. I.

NOTE ON A NEW VARIETY OF MAINE SLATE. U. S. G. S., Bull. No. 285, pp. 449–450. 1906.

MICHIGAN LIMESTONES AND THEIR USES. By A. C. Lane. E. & M. J., vol. 71, p. 662, 4 columns, I.; p. 693, 2 columns; p. 725, 1½ columns.

THE NEW YORK SLATE INDUSTRY. By J. N. Nevins. E. & M. J., vol. 67, p. 587, 3¾ columns, I.; p. 622, 1½ columns.

CHEMICAL NOTES ON THE COMPOSITION OF THE ROOFING SLATES OF EASTERN NEW YORK AND WESTERN VERMONT. By W. F. Hillebrand. U. S. G. S., 19th Ann. Rept., pt. 3, pp. 301–305. 1899.

THE SLATE BELT OF EASTERN NEW YORK AND WESTERN VERMONT. By T. Nelson Dale. U. S. G. S., 19th Ann. Rept., pt. 3, pp. 153–200. 1899.

THE SLATE INDUSTRY AT SLATINGTON, PENNSYLVANIA, AND MARTINSBURG, WEST VIRGINIA. U. S. G. S., Bull. No. 213, pp. 361–364. 1903.

THE SLATE INDUSTRY OF PENNSYLVANIA. By J. Hess. E. & M. J., vol. 64, p. 185. 1 column.

SLATE DEPOSITS AND SLATE INDUSTRY OF THE UNITED STATES. By T. N. Dale and others. U. S. G. S., Bull. No. 275. 1906.

SLATE INVESTIGATIONS DURING 1904. U. S. G. S., Bull. No. 260, pp. 486–488. 1905.

TALC DEPOSITS OF NORTH CAROLINA. By A. Keith. U. S. G. S., Bull. No. 213, pp. 433–438. 1903.

CHERT MINING IN ENGLAND AND WALES. By H. L. Terry. T. I. M. & M., vol. 15, p. 551. 12½ pages.

CHALK OF SOUTHWESTERN ARKANSAS, WITH NOTES ON ITS ADAPTABILITY TO THE MANUFACTURE OF HYDRAULIC CEMENTS. By J. A. Taff. U. S. G. S., 22d Ann. Rept., pt. 3, pp. 687–742. 1902.

GARNET MINES IN THE ADIRONDACKS. E. & M. J., vol. 68, p. 461. 1¼ columns. I.

CRUSHED QUARTZ AND ITS SOURCE. By M. L. Fuller. Stone, vol. 18, pp. 1–4. 1898.

THE OCCURRENCE AND USES OF MICA. By M. L. Fuller. Stone, vol. 19, pp. 530–532. 1899.

QUARTZ (Flint) AND FELDSPAR. U. S. G. S., Mineral Resources for 1906, pp. 1253–1270. 1907.

FLINT AND FELDSPAR. By W. Golding. U. S. G. S., 17th Ann. Rept., pt. 3, pp. 838–841. 1896.

FELDSPAR AND QUARTZ DEPOSITS OF SOUTHEASTERN NEW YORK. U. S. G. S., Bull. No. 315, pp. 394–399. 1907.

NOVACULITE. By G. M. Turner. U. S. G. S., Mineral Resources for 1885, pp. 433–436. 1886.

NOVACULITES AND OTHER WHETSTONES. By G. M. Turner. U. S. G. S., Mineral Resources for 1886, pp. 589–594. 1887.

GRINDSTONES. U. S. G. S., Mineral Resources for 1886, pp. 582–585. 1887.

BUHRSTONES. By W. A. Raborg. U. S. G. S., Mineral Resources for 1886, pp. 581–582. 1887.

BEREA GRIT. By M. C. Read. U. S. G. S., Mineral Resources for 1882, pp. 478–479. 1883.

ABRASIVE MATERIALS. By E. W. Parker. U. S. G. S., 19th Ann. Rept., pt. 6, pp. 515–533. 1898.

ABRASIVE MATERIALS. By D. B. Sterrett. U. S. G. S., Mineral Resources for 1906, pp. 1043–1054. 1907.

THE EMERY DEPOSITS OF WESTCHESTER COUNTY, NEW YORK. By E. C. Eckel. U. S. G. S., Mineral Industry, vol. 9, pp. 15–17. 1901.

Occurrence of Rare Metals

ON A MINERAL CONTAINING "RADIUM" IN THE PROVINCE OF QUEBEC. By J. Obaski. J. C. M. I., vol. 7, p. 245. 11 pages. I.

A NEW OCCURRENCE OF VANADIUM IN PERU. By F. Hewett. E. & M. J., vol. 47, p. 519, 1½ columns; vol. 82, p. 385, 2½ columns.

SELENIUM. U. S. G. S., Mineral Resources for 1906, p. 1271. 1907.

THE IRIDIUM INDUSTRY. T. A. I. M. E., vol. 12, p. 577.

IRIDOSMINE. M. & M., Aug., 1904, p. 23.

Miscellaneous Materials

CRYOLITE MINING IN GREENLAND. By J. R. Spears. Coll. Eng. & Met. Miner, vol. 14, p. 30. 2 columns.

Rutile Mining in Virginia. By G. P. Merrill. E. & M. J., vol. 73, p. 351. 1 column.

Lithographic Stone in Arizona. By J. F. Blandy. E. & M. J., vol. 57, p. 104. ½ column.

Lithographic Stone and its Uses. By E. Spargo. T. F. I. M. E., vol. 8, p. 568, 11 pages.

The Production and Consumption of Lithographic Stone. E. & M. J., vol. 72, p. 668, 3 columns; vol. 76, p. 271, ½ column; p. 664, ½ column.

The American Bromine Industry. E. & M. J., Mar. 30, 1905, p. 613. 1⅞ columns.

Amber Mining in Samland. By Hr. Menzel. E. & M. J., vol. 30, p. 237. ¾ column.

Molybdenite: Its Uses and Value. E. & M. J., vol. 78, p. 583, 1 column.

Borax, U. S. G. S., Mineral Resources for 1889–1890, pp. 494–506. 1902.

Auriferous Gravels: Their Formation, Distribution and the Source of the Gold

Source of the Placer Gold in Alder Gulch, Montana. M. & M., vol. 25, p. 353. 4½ columns. I.

Origin of Placer Gold in California. E. & M. J., vol. 77, p. 771. 1 column.

Notes on Gold-bearing Gravels. By W. S. Welton. T. I. M. & M., vol. 8, p. 519.

The Origin of Gold Placers. Placer Mining, Chap. 8, p. 49.

Distribution of Gold in Placer Beds or Deposits. Placer Mining, p. 58.

Gold Placers and Lodes. E. & M. J., vol. 64, p. 452. 1 column.

Source of Auriferous Quartz Gravels. Min. & Sci. Press, vol. 56, p. 214. 4 columns.

The Origin and Classification of Placers. By H. L. Smyth. E. & M. J., vol. 79, p. 1045, 4½ columns; p. 1179, 4 columns; p. 1228, 6¾ columns, I.

Where the Columbia River Gold Comes from. Min. & Sci. Press, vol. 66, p. 100. 1 column.

Source of Placer Gold in Alaska. By W. J. Reynolds. Min. & Sci. Press, vol. 78, p. 36. ⅓ column.

Gold Placers in Glaciated Regions. By G. H. Stone. M. & M., vol. 20, p. 492. 3½ columns. I.

Auriferous Gravel: Theory of Its Formation. Min. & Sci. Press, vol. 41, p. 226. 2 columns.

Formation of the Placers of Cariboo. Min. & Sci. Press, vol. 36, p. 153. 3½ columns. I.

The Genesis of Gold Placers. By R. L. Dunn. Min. & Sci. Press, vol. 69, p. 229, 3⅓ columns; and p. 244, 3 columns.

Possible Chemical Influence in Concentration of Gold in Placers. By Frémy. Encyclopédie Chimique, tome 3, 16e cahier, p. 43; Am. Chemist, vol. 3, p. 208; Gold Fields & Mineral Dists. of Victoria, Melbourne, 1869, pp. 240, 357; Mineral Mag., Nov., 1893, p. 247; American Geologist, Aug., 1896, pp. 102 and 108; U. S. G. S., 18th Rept., pt. 3, p. 377; T. A. I. M. E., vol. 9, pp. 640, 645.

Certain Dissimilar Occurrences of Gold-bearing Quartz. Proc. Colo. Sci. Soc., Sept., 1893, p. 9.

Cementation of Auriferous Gravels: Bonds. Min. & Sci. Press, vol. 84, p. 59. Note.

High Benches of the Nome Gold Fields. By O. Halla. Min. & Sci. Press, vol. 86, p. 182. 1¼ columns.

The River System of California: Min. & Sci. Press, vol. 55, p. 228. 2 columns.

Superficial Deposits: Placers, etc. E. & M. J., vol. 10, p. 233. 2⅔ columns.

The Gravel Channels of Ancient Rivers: Formation, Conditions and Yield per Mile. Min. & Sci. Press, vol. 51, p. 6. 1 column.

Geology of the 4-Mile Placer Mining District, Colorado. By H. C. Hoover. E. & M. J., vol. 63, p. 510. 2 columns.

Age of the Ancient River Channels of California. Min. & Sci. Press, vol. 17, p. 248. 2 columns.

The Age of the Gold-Bearing Gravels of the Sierras. Min. & Sci. Press, vol. 74, p. 150. ⅞ column.

Geology of the Apache Cañon Placers. By C. R. Keyes. E. & M. J., vol. 76, p. 966. 4 columns. I.

Possibilities of the Tundra. By Otto Halla. Min. & Sci. Press, vol. 92, p. 145. ¾ column.

The Alaskan Placers. Min. & Sci. Press, vol. 75, p. 74. 2½ columns. I.

Placer Mining in Alaska. Min. & Sci. Press, vol. 69, p. 1. 7⅓ columns. I.

The Kotzebue Placers, Alaska. E. & M. J., vol. 78, p. 139, ⅛ column.

Auriferous Beaches of New South Wales. Min. & Sci. Press, vol. 68, p. 215. 1½ columns.

Dry Placer Working in Western Australia. By T. A. Rickard. E. & M. J., July 8, 1899, p. 37. 2⅓ columns. I.

Alluvial Workings at Coolgardie. By A. G. Charlton. Gold Min. & Mill. W. Aus., Chap. 2, p. 31. I.

Deep Placer Deposits of Victoria. By H. L. Wilkinson. E. & M. J., vol. 80, p. 1208. 7⅔ columns. I.

Mysteries of the Ancient Rivers of the Forest Hill Divide, Placer County, California. Min. & Sci. Press, vol. 78, p. 290. 2 columns. I.

The Gravel Fields of Northern California. Min. & Sci. Press, vol. 74, p. 113. 2⅓ columns.

The New River (Trinity County) Mines, California. Min. & Sci. Press, vol. 13, p. 11. 1 column.

Mining in Reese River. Min. & Sci. Press, vol. 13, p. 34; p. 114. 2 columns.

Beach Mining in Humboldt County. Min. & Sci. Press, vol. 13, p. 88. ⅞ column.

Nevada County. Min. & Sci. Press, vol. 13, p. 98. 2¾ columns.

California Gravel Mines. Min. & Sci. Press, vol. 27, p. 401. 1 column.

The Lower California Placer Mines. Min. & Sci. Press, vol. 27, p. 347. 1⅓ columns.

Ralston Divide, Placer County, California. By A. Bordeaux. Min. & Sci. Press, vol. 81, p. 609. 2 columns. I.

A Gold-Paved Valley. By Dan De Quille. Min. & Sci. Press, vol. 73, p. 108. 2 columns.

Gold in Ancient California River Channels. Min. & Sci. Press, vol. 77, p. 107. 8 columns. I.

Auriferous Gravel Beds of California. Annl. Sci. Discovery, 1857, fol. 327; Letters in the San Francisco Bulletin, Chas. S. Copp; Geol. Survey of Calif., 1861–1864 (Whitney); James Hector, Quart. Jour. of Geol. Soc. of London, vol. 17, 1861; J. S. Hittel, Overland Monthly, vol. 1, San Francisco, 1868.

Auriferous Gravels of the Sierra Nevada of California. By J. D. Whitney. Cambridge, Mass., 1880.

Auriferous Gravel Beds of California. By H. De Groot. 2d Annl. Rept. State Mineralogist of Calif., Sacramento, 1882, Appendix, fol. 134.

Auriferous Gravels of California. J. Le Conte, On the Old River Beds of Calif., Am. Jour. of Sci., 3d series, vol. 19, 1880. Andrew Larsen, Min. & Sci. Press, vol. 41; reprinted in Production of Gold & Silver in the U. S., Burchard, Washington, 1880. W. A. Goodyear, Paper read before the Calif. Academy of Sci. and published in the Evening Bulletin, San Francisco, vol. 48, No. 140.

The Great Industry of the Pacific Coast: Quartz and Gravel Mines. Min. & Sci. Press, vol. 26, p. 33. 3½ columns. I.

Geology of Placer, El Dorado, and Amador Counties, California. Min. & Sci. Press, vol. 70, p. 308. 9¼ columns. I.

The Red Point Drift Gravel Mine, California. By C. F. Hoffmann. E. & M. J., vol. 57, p. 391. 1 column.

Gold-Bearing Beach Sands of California. By A. Lakes. M. & M., vol. 19, p. 369. 1⅕ columns.

The Buried Rivers of California as a Source of Gold. By J. R. Scupham. M. & M., vol. 19, p. 150. 4¾ columns. I.

Placer Mining in California: The Conditions of the Industry at Present and an Account of Its Former Greatness. By A. Lakes. M. & M., vol. 19, p. 297. 4 columns. I.

The Auriferous Gravels of California. By W. A. Goodyear. Min.& Sci. Press, vol. 39, p. 182. 6 columns.

The Auriferous Gravels of California. By W. A. Goodyear. E. & M. J., vol. 28, p. 280, 1¾ columns; p. 299, 2⅓ columns.

Deep Gold Placers of California. Min. & Sci. Press, vol. 60, p. 231, 4 columns; p. 237, 3½ columns, I.; pp. 249, 255, 4 columns; pp. 264, 271, 4 columns; p. 280, 3½ columns; p. 297, 5 columns; p. 314, 4¼ columns; p. 330, 3¾ columns; p. 337, 1 column; pp. 347, 353, 4 columns; p. 361, 5 columns, I.; p. 369, 1½ columns, I.; p. 378, 5½ columns.

The Ancient River Channels of California. By G. W. Kimble. Min. & Sci. Press, vol. 94, p. 726. 3 columns. I.

Ancient Placers in the Land of the Incas. Min. & Sci. Press, vol. 65, p. 251. 1 column.

"The Ancient Channels." Min. & Sci. Press, vol. 26, p. 34. 1¼ columns.

Ancient River Channels. Min. & Sci. Press, vol. 34, p. 264. ¾ column.

The Ancient Channel at Gibsonville, California. By S. C. Wiel. Min. & Sci. Press, vol. 91, p. 73. 2 columns. I.

Ancient Channel at Calaveras County, California. Min. & Sci. Press, vol. 91, p. 170, 4½ columns, Map; p. 192, 3 columns, I.

The "Ancient" Pliocene Rivers of California. Min. & Sci. Press, vol. 26, p. 56. 2½ columns.

Ancient River Beds of the Forest Hill Divide. Min. & Sci. Press, vol. 67, p. 19. 1¾ columns. I.

Drift Mines of the Forest Hill Divide. Min. & Sci. Press, vol. 67, p. 49. 2 columns. I.

Auriferous Gravel Channels. Min. & Sci. Press, vol. 67, p. 67. 1⅔ columns.

The Ocean Placers of San Francisco. E. & M. J., vol. 26, p. 279. 1 column.

California Placer Gold. By R. E. Browne. E. & M. J., vol. 59, p. 101. 1⅓ columns.

The Gold Gravels of North Carolina. By W. C. Kerr. T. A. I. M. E., vol. 8, p. 462. 5 pages.

Glacial Placer Beds on the Flanks of the Mosquito Range, South Park, Colorado. By A. Lakes. M. & M., May, 1902, p. 469. ¾ column.

The 4-Mile Placer Fields of Colorado and Wyoming. By E. P. Snow. E. & M. J., vol. 60, p. 102. 2 columns. I.

Forest Hill Placer Mines. By A. Lakes. M. & M., vol. 19, p. 476. 2 columns. I.

Exploiting a New Placer Field at Fairplay, Colorado. By A. Lakes. M. & M., vol. 21, p. 128. 3½ columns. I.

The Fuller Placer Mines, Colorado. E. & M. J., vol. 24, p. 454. 2 columns. I.

The Yukon Gold Fields. Placer Mining, Chap. 1, p. 1.

Mining Operations in Atlin, British Columbia: A Description of Some of the Placers and the Hydraulic Plants which are being Installed By R. L. Watson. M. & M., Dec., 1901, p. 193. 5 columns.

Quesnelle Forks Mining Division of British Columbia. By W. M. Brewer. M. & M., Feb., 1904, p. 297. 6¾ columns.

The Gold-bearing Alluvial Deposits of the Klondike District. By J. B. Tyrrell. T. I. M. & M., vol. 8, p. 217.

The Alsek Placer District, Yukon Territory. By W. M. Brewer. Min. & Sci. Press, vol. 87, p. 370. 3½ columns. Map.

The Old Valley Gravels of the Klondike. By R. G. McConnell. J. C. M. I., vol. 3, p. 124. 4 pages.

Gold Placers in Western Ontario. E. & M. J., vol. 74, p. 743. 1 column.

The Porcupine Silver Mines, Ontario. E. & M. J., vol. 45, p. 383. 1 column. I.

Development of Placer Gold-Mining in the Klondike District, Canada. By J. B. Tyrrell. T.I.M.E., vol. 31, p. 556. 18 pages. I.

Gravel Mining in Colombia. Min. & Sci. Press, vol. 55, p. 274. 1½ columns.

Placer Mining in Antioquia, Colombia. By F. F. Sharpless. E. & M. J., vol. 79, p. 994. 4 columns.

The Analogy Between the Gold "Cintas" of Colombia and the Auriferous Gravels of California. By E. Gledhill. T. I. M. E., vol. 20, p. 391. 10 pages.

The American Hill Placer Mine, Idaho. By E. Juessen. E. & M. J., vol. 64, p. 635. 1 column. I.

The Deadwood Placer Claims, Idaho. By W. H. Hill. E. & M. J., vol. 60, p. 225. 1 column. I.

The Twin-Springs, Placer County, Idaho. By H. L. J. Warren. E. & M. J., vol. 68, p. 395. 2⅔ columns. I.

The Placer Fields of Custer County, Idaho. By C. C. Clawson. E. & M. J., vol. 69, p. 441. 2 columns.

The Gold of the Snake River. By R. N. Bell. Min. & Sci. Press, vol. 94, p. 542. 3¼ columns. I.

Snake River Gold-Fields of Idaho. By Don Maguire. M. & M., vol. 20, p. 56. 5 columns. I.

Gold Mines of the Tiber, Italy. Min. & Sci. Press, vol. 49, p. 199. ⅓ column.

Auriferous Iron Sands of New Zealand. Min. & Sci. Press, vol. 82, p. 240. 1½ columns.

The Upland Placers of La Cienega, Sonora, Mexico. By R. T. Hill. E. & M. J., vol. 73, p. 132. 6½ columns. I.

A Low-Grade Placer Proposition in Montana. By F. D. Smith. E. & M. J., vol. 68, p. 575. 2½ columns. I.

The Cedar Creek Placers, Montana. By F. D. Smith. E. & M. J., vol. 67, p. 143. 2 columns. I.

Placer Mining in Montana. By E. G. Spilsbury. E. & M. J., vol. 44, p. 167. 2 columns. I. Map.

The Big Indian Mine and Mill, Montana. E. & M. J., vol. 78, p. 225. 1 column. I.

Gravel Gold Mining in Oregon: The American Bar Mine. E. & M. J., vol. 61, p. 397. ½ column. I.

Southern Oregon Placer Conditions. Min. & Sci. Press, vol. 80, p. 432. 3 columns. I.

The Columbia Placer, Oregon. By J. W. Abbott. E. & M. J., vol. 65, p. 431. 2½ columns. I.

The Distribution of Placer Gold in Oregon. By C. W. Washburne. Min. & Sci. Press, vol. 88, p. 299. 1½ columns.

OREGON'S GOLD BEACHES. Min. & Sci. Press, vol. 71, p. 121. 1½ columns.

THE GOLD PLACERS OF BOKHARA, RUSSIA. By E. D. Levat. E. & M. J., vol. 76, p. 969. 2 columns.

THE GOLD PLACERS OF SIBERIA. By E. D. Levat. E. & M. J., vol. 63, p. 90. 1¼ columns.

GOLD PLACER MINING IN SURINAM. E. & M. J., vol. 54, p. 196. ½ column.

THE GOLD BEARING SANDS OF THE VERMILION RIVER. By J. W. Evans. J. C. M. I., vol. 2, p. 105. 3 pages.

GOLD PLACERS OF THE COAST OF WASHINGTON. By Ralph Arnold. U. S. G. S., Bull. No. 260, pp. 154–157. 1905.

GOLD-BEARING RIVER SANDS OF NORTHEASTERN WASHINGTON. By A. J. Collier. U. S. G. S., Bull. No. 315, pp. 56–70. 1907.

GOLD MINING IN CENTRAL WASHINGTON. By G. O. Smith. U. S. G. S., Bull. No. 213, pp. 76–80. 1903.

GLACIAL GOLD IN WISCONSIN. By Kirby Thomas. E. & M. J., vol. 74, p. 248. 1½ columns.

THE DOUGLAS CREEK PLACERS, ALBANY COUNTY, WYOMING. By E. P. Snow. E. & M. J., vol. 10, p. 539. 5 columns. I.

GOLD IN SNAKE RIVER GRAVEL BARS. By W. H. Washburne. Min. & Sci. Press, vol. 81, p. 610. 1½ columns. I.

THE AURIFEROUS GRAVELS OF THE UPPER COLUMBIA RIVER. By F. L. Nason. E. & M. J., vol. 61, p. 279. 2¼ columns.

GOLD-BEARING GRAVELS OF THE WEST. Min. & Sci. Press, vol. 79, p. 60. 5 columns. I.

GRAVEL DEPOSITS. Min. & Sci Press, vol. 37, p. 354. 2 columns.

GOLD PLACERS FORMED BY THE WIND. Min. & Sci. Press, vol. 68, p. 326. ½ column.

THE GOLD PLACERS OF THE PLAINS. Min. & Sci. Press, vol. 26, p. 250. ¾ column.

THE BLACK SAND GOLD QUESTION. Min. & Sci. Press, vol. 69, p. 230, 1½ columns; p. 294, 2 columns; p. 356, 2½ columns; p. 372, 2½ columns; vol. 48, p. 209, ½ column; M. & M., June, p. 488, 2 columns.

THE AURIFEROUS BLACK SANDS OF CALIFORNIA. By J. A. Edman. M. & M., vol. 27, p. 563, 2½ columns; and p. 564, 3 columns.

THE AURIFEROUS BLACK SANDS OF CALIFORNIA. By J. A. Edman. E. & M. J., vol. 83, p. 1047. 4¾ columns.

INVESTIGATIONS OF BLACK SANDS FROM PLACER MINES. By D. T. Day and R. H. Richards. U. S. G. S., Bull. No. 285, pp. 150–164. 1906.

AURIFEROUS IRON SANDS. By W. B. Basset. T. I. M. & M., vols. 1 and 2, p. 107.

RICHNESS OF EARLY PLACER MINES IN CALIFORNIA. By S. S. Boynton. E. & M. J., vol. 53, p. 446. ⅞ column.

YIELD OF PLACERS. Min. & Sci. Press, vol. 23, p. 24. ½ column.

MEASUREMENTS RELATING TO ALLUVIAL DEPOSITS. By R. L. Montagu. Min. & Sci. Press, vol. 86, p. 408. 4 columns. I.

MEASUREMENT AND YIELD OF GRAVEL. Min. & Sci. Press, vol. 29, p. 305. ½ column.

PROFITS OF DRIFT MINING. Min. & Sci. Press, vol. 29, p. 312. 1¾ columns.

Nuggets: Their Origin and Occurrence

FORMATION OF NUGGETS. Min. & Sci. Press, vol. 85, p. 309. ¾ column.

FORMATION OF NUGGETS. Min. & Sci. Press, vol. 86, p. 105. 1 column.

FORMATION OF GOLD NUGGETS IN AURIFEROUS DRIFTS. E. & M. J., vol. 6, p. 161. 3 columns.

Nugget of Crystallized Gold. Min. & Sci. Press, vol. 26, p. 273. ½ column. I.

Gold Nuggets with Concentric Structure. E. & M. J., vol. 83, p. 429. ¼ column.

Structure of Gold Nuggets. E. & M. J., vol. 58, p. 610. ⅓ column.

Placer Gold. Min. & Sci. Press, vol. 45, p. 40. 3 columns.

Metallic Deposits: Gold Nuggets. Theory as to Their Formation. By Lanszweert. Min. & Sci. Press, vol. 17, p. 82, 2½ columns; p. 274, 2 columns; p. 306, 2 columns; vol. 23, p. 278, ⅓ column.

Origin of Gold Nuggets and Gold Dust. By A. Murray. Min. & Sci. Press, vol. 21, p. 228. 2 columns.

Origin of Gold Nuggets and Gold Dust. By A. Murray. E. & M. J., vol. 10, p. 184. 1½ columns.

How Nuggets May be Made. By C. S. Palmer. Min. & Sci. Press, vol. 93, p. 320. 2¾ columns.

The Formation of Gold Nuggets and Placer Deposits. By T. Egleston. T. A. I. M. E., vol. 9, p. 633.

The "Chispa" (Nuggets). Min. & Sci. Press, vol. 72, p. 504. ½ column.

Some Large Pieces of Gold. Min. & Sci. Press, vol. 75, p. 142. ⅔ column.

Largest Pure Gold Nugget. Min. & Sci. Press, vol. 76, p. 620. ½ column.

Gold Nuggets in Olden Times. Min. & Sci. Press, vol. 40, p. 44. Note.

Number of Large Nuggets Found at Home and Abroad. Nature of Ore Deposits, vol. 2, p. 652. ½ page.

Nugget Found in Australia, on Branch of Macquarie River. Whitney's Metallic Wealth of the United States, p. 101. Note.

Nugget Found in Vermont. Whitney's Metallic Wealth of the United States, p. 123. Note.

Nugget Found at the Monumental Mine. Min. & Sci. Press, vol. 92, p. 21. 1 column.

Early California Nuggets. Min. & Sci. Press, vol. 93, p. 45. Note.

Nuggets Found in Porto Rico. Special Rept. Census Office, Mines & Quarries, 1902, pp. 1075–1076. Notes.

Capt. Sutter's Nuggets: Historical Account of Discovery of Gold in California. Min. & Sci. Press, vol. 54, p. 19. ½ column.

Nuggets Found in North Carolina. Am. Jour. Min., vol. 2, p. 389. Table.

Wheeler's History of North Carolina.

Nuggets. Min. & Sci. Press, vol. 48, p. 221. ⅔ column.

Some Gold Nuggets. Min. & Sci. Press, vol. 85, p. 19. 1 column.

Largest Mass of Gold. Min. & Sci. Press, vol. 85, p. 58. Note.

List of Nuggets Found in Tuolumne County, California. T. A. I. M. E., Special Volume, California Mines & Minerals, p. 357. ½ column.

The Largest Silver Nugget. M. & M., vol. 18, p. 290. ¼ column.

The Largest Gold Nugget Ever Found in Colorado. M. & M., vol. 18, p. 295. Note.

Allotropic Forms of Silver. E. & M. J., vol. 48, p. 90. 1 column.

A Large Gold Nugget. E. & M. J., vol. 48, p. 250. Note.

Pocket Mining and Nuggets. Min. & Sci. Press, vol. 44, p. 190. 2 columns. I.

Gold Nuggets. Min. & Sci. Press, vol. 43, p. 137, 1¼ columns; p. 146, 1⅙ columns; p. 177, 2 columns; p. 394, ⅔ column.

Gold Nuggets. Min. & Sci. Press, vol. 60, p. 162. ⅔ column.

Origin of Gold Nuggets. Min. & Sci. Press, vol. 68, p. 310. ¾ column.

Theories About Formation of Gold Nuggets. Min. & Sci. Press, vol. 68, p. 338. 1 column.

Structure of Gold Nuggets. Min. & Sci. Press, vol. 70, p. 119. ⅓ column.

The Largest Piece of Gold Yet Found was Worth Nearly $150,000. Min. & Sci. Press, vol. 70, p. 214. ¾ column.

Large Gold Nuggets. Auriferous Gravels of the Sierra Nevada, p. 359; Gold Fields and Mineral Districts of Victoria, p. 355; U. S. G. S., 18th Rept. pt. 3, p. 378.

List of Nuggets in the United States, Australia, Urals, Paraguay, etc. Sch. Mines Quart., vol. 3, pp. 72–73. Tables.

Nuggets. Twelve Years in the Mines of California, p. 71.

Silver Nuggets at Cobalt, Canada. M. & M., vol. 27, pp. 145 and 146. Note. I.

A Large Silver Nugget, Toronto. E. & M. J., vol. 80, p. 1232. Note.

Largest Silver Nugget. Min. & Sci. Press, vol. 84, p. 293. Note.

Nevada's First Nugget. Min. & Sci. Press, vol. 40, p. 342. ¾ column.

Solid Silver (Native). Min. & Sci. Press, vol. 36, p. 354. ⅓ column.

Silver Nugget from the La Rose Mine, Cobalt. E. & M. J., vol. 83, p. 139. I.

HANDLING AND STORAGE OF MINERAL

Methods of Handling Mineral and Coal

Handling Iron Ores at the Spanish Mines. E. & M. J., vol. 62, p. 415. 1 column.

New Rock-Handling Machinery. By A. Forsyth. E. & M. J., vol. 76, p. 501. 5¼ columns.

A Gravity System for Handling Coal. E. & M. J., vol. 57, p. 200. ¾ column.

Four Old Labor-Saving Ideas. By H. Aitken. T. I. M. E., vol. 24, p. 211. 3 pages. I.

Method of Handling Waste in Raise. Min. & Sci. Press, vol. 93, p. 47. Notes. I.

The Iron Breaker at Drifton, with a Description of Some of the Machinery Used for Handling and Preparing Coal at the Cross Creek Collieries. By E. Coxe. T. A. I. M. E., vol. 19, p. 398.

Surface Plants of Bituminous Collieries: The Points to be Considered for Securing Economy of Operation. By W. C. Wilkins. M. & M., vol. 18, p. 347. 5 columns. I.

Sinking, Surface-Fittings, and Coal Cleaning Plant at Whistleberry Colliery, Hamilton, England. By J. Hastie. T. F. I. M. E., vol. 12, p. 622. 9 pages. I.

Notes on Increased Facilities at Wabana Iron Mine. By R. E. Chambers. J. C. M. I., vol. 3, p. 130. 4 pages.

Modern Coal and Ore Handling Machinery. By H. S. Fleming. Min. Mag., Dec., 1904, p. 383. 16 columns. I.

Handling Coal at the Shafts. E. & M. J., vol. 66, p. 604. ⅔ column.

Improvements of the Spring Valley Coal-Mines. By J. A. Ede. T. A. I. M. E., vol. 29, p. 187.

Surface Arrangements at Alabama Coal Mines. By James E. Strong. M. & M., Nov., 1902, p. 169. 1 column.

Labor-Saving Devices in Use at a Pennsylvania Anthracite Mine. By L. C. Morgenroth. E. & M. J., vol. 67, pp. 559, 589. I.

Coal and Coke-Handling Machinery of the Coke Plant of the Lackawanna Iron and Steel Company, at Lebanon, Pennsylvania. By A. Ernst. M. & M., Mar., 1904, p. 359. 4¾ columns.

Red Jacket Coal and Coke Company's Mines in Logan County, West Virginia: A Description of the Coal, the Mines, and Methods of Handling. By F. A. Hill. M. & M., Dec., 1902, p. 193. 5¼ columns.

Hydraulic Tub-Changing Plant. M. & M., vol. 27, p. 171. ½ column.

Arrangements for Handling Coal Output. By F. W. Parsons. E. & M. J., vol. 84, p. 740. 9 columns. I.

A Cripple Creek Ore-Handling Plant. By S. A. Worcester. E. & M. J., vol. 84, p. 352. 5 columns. I.

A Wagon-Lowering Device for Use at Colliery Screens. By T. T. Christie. T. I. M. E., vol. 34, p. 255. 7 pages. I.

A Waste Disposal Plant. M. & M., vol. 28, p. 322. 1½ columns. I.

Mechanical Appliances for Coal Mining and Handling. By H. S. Fleming. Min. Mag., vol. 12, p. 380. 10 columns.

Description of Ore Handling at the Bunker Hill and Sullivan Mines, Wardner, Idaho. By V. M. Clement. E. & M. J., vol. 52, p. 99. 1½ columns.

A Rapid Method of Handling Coal. E. & M. J., vol. 58, p. 223. 2½ columns. I.

Ore Handling. Min. & Sci. Press, vol. 87, p. 364. 1½ columns.

Handling Nickel Ores in New Caledonia. E. & M. J., vol. 84, p. 583. 2 columns.

A Handling and Dumping System. By O. V. Greene. M. & M., vol. 28, p. 342. 6 columns. I.

Device for Controlling Movement of Cars on Tracks, Hulton Colliery, England. M. & M., vol. 27, p. 248. ¼ column. I.

Surface Handling of Coal at Hulton Colliery, England. M. & M., vol. 27, p. 248. 2 columns.

Stopping and Restarting Mine Cars Automatically. By W. Galloway. E. & M. J., vol. 83, p. 481. 4 columns. I.

An Appliance for Automatically Stopping and Restraining Mine-Wagons. By W. Galloway. T. I. M. E., vol. 32, p. 19. 5½ pages. I.

The Aultman Car Hauls and Retarders. M. & M., Dec., 1901, p. 225. 1½ columns.

Automatic Appliance for Stopping and Restarting Mine Cars. By W. Galloway. E. & M. J., vol. 82, p. 449. 1⅓ columns.

See Conveyors for further information on retarding devices.

Loading and Unloading Cars, Boats, etc.

Mechanical Arrangements for Shipping Coal at the Butte Docks. By J. McConnochie. E. & M. J., vol. 18, p. 130. 2 columns.

Discharging Vessels and Barges by Means of Elevators. The Mechanical Handling of Material, p. 255. 17 pages. I.

Unloading Vessels by Means of Specially Constructed Self-emptying Boats and Barges. The Mechanical Handling of Material, p. 272. 6 pages. I.

Method of Loading Vessels by Cars on Inclined Planes, without Breakage of Coal. E. & M. J., vol. 19, p. 16.

Methods and Costs of Loading Dump Wagons with Scrapers, and the Design of a Loading Platform. Eng.-Cont., vol. 27, p. 36. 3½ columns. I.

LOADING IRON ORE ON LAKE SUPERIOR. E. & M. J., vol. 76, p. 394. 3¼ columns. I.

THE BROWN HOISTING AND CONVEYING MACHINES. E. & M. J., vol. 36, p. 199, 3 columns, I.; and p. 125, ½ column. I.

LOADING COAL INTO BOX CARS. M. & M., Sept., 1901, p. 58. ½ column.

SPEED ACQUIRED BY MODERN METHODS IN LOADING COAL BY MACHINERY. M. & M., Feb., 1904, p. 300. Note.

HANDLING MATERIAL. E. & M. J., vol. 80, p. 306. 1 column.

A NEW COAL-HANDLING PLANT AT SKAGWAY, ALASKA. E. & M. J., vol. 71, p. 151. 1 column. I.

APPARATUS FOR CONTROLLING RAILROAD WAGONS WHILE LOADING AT COLLIERY-SCREENS. By J. D. Miller. T. I. M. E., vol. 24, p. 122. 4 pages. I.

HYDRAULIC CAGE-LOADING AND UNLOADING APPARATUS AT CADEBY COLLIERY. By G. B. Stones. T. I. M. E., vol. 18, p. 478. 4 pages. I.

POCKET LOADING-LIP FOR COAL BREAKER. T. A. I. M. E., vol. 19, p. 433.

SURFACE HANDLING OF ORE IN MICHIGAN MINES. Sch. Mines Quart., vol. 20, p. 159. 5 pages. I.

TYPICAL ORE-LOADING DOCK, SHOWING ORE-BIN CONSTRUCTION. T. I. M. E., vol. 19, p. 85. I.

LOADING WHARVES AT BETHUNE COLLIERIES. T. F. I. M. E., vol. 3, p. 1019, I.; and p. 1026.

THE MECHANICAL PIT-CAR LOADER. M. & M., vol. 28, p. 185. 3 columns. I.

LOADING AND UNLOADING CAGES. P. C. M., vol. 3, p. 154. 5 pages. I.

HAMILTON STORAGE MACHINE AND CAR LOADER. E. & M. J., vol. 84, p. 920. 2 columns. I.

LOADING SKIPS UNDERGROUND. E. & M. J., vol. 84, p. 1165. I.

THE PARK AUTOMATIC LOADER (Car). E. & M. J., vol. 83, p. 1189. 3 columns. I.

BUCKET-LOADING DEVICES. By E. C. Musgrave. E. & M. J., vol. 81, p. 895. 2 columns. I.

THE GREENWAY ORE UNLOADER. T. L. S. M. I., vol. 9, p. 119. 2 pages.

COALING OF RAILROAD ENGINES. The Mechanical Handling of Material, p. 410. 3 pages. I.

COAL-HANDLING PLANT FOR POWER-STATIONS, BOILER-HOUSES, etc. The Mechanical Handling of Material, p. 414. 18 pages. I.

CAR UNLOADING AT HAMBURG. E. & M. J., vol. 80, p. 439. 4 columns. I.

THE WASTE-DUMP AT THE HAVRE COAL MINES, BELGIUM (Forming and Handling). By A. Demeure. E. & M. J., vol. 58, p. 439. 1 column. I.

SELF-ACTING CAGING AND BANKING APPARATUS. By W. R. Willis. T. N. S. I. M. & M. E., vol. 3, p. 102. 5 pages. I.

MECHANICAL DEVICES AT COAL MINES: Some Improvements in Car-Dumps, Mine-Car Running Gear, and Rock-Dumping Apparatus. By L. L. Logan. M. & M., Feb., 1904, p. 331. 6¼ columns.

THE LIDGERWOOD RAPID UNLOADER. E. & M. J., vol. 54, p. 484. ⅓ column. I.

THE LIDGERWOOD BALLAST UNLOADER. E. & M. J., vol. 61, p. 447. ½ column. I.

THE THACHER RAPID UNLOADER. E. & M. J., vol. 54, p. 561. ½ column. I.

See LOADING AND UNLOADING CONVEYORS FOR VESSELS AND CARS.

Elevators for Men, Mineral and Coal

ELEVATING AND CONVEYING MACHINERY. By S. F. Joor. J. W. Soc. E., vol. 11, p. 191. 42 pages. I.

HANDLING ORE AT THE YELLOW DOG MINE, JOPLIN, MISSOURI. M. & M., vol. 28, p. 167. 6 pages. I.

ELEVATORS: Position of and Speed of Running; Capacity (Table). By G. F. Zimmer. The Mechanical Handling of Material, p. 1. 35 pages.

BELT ELEVATORS FOR ORE AND WATER. By E. S. Wiard. E. & M. J., vol. 83, p. 560. 15 columns. I.

PORTABLE ELEVATOR, SCREEN, AND CONVEYOR. Min. & Sci. Press, vol. 67, p. 289. 1 column. I.

RETURN COAL ELEVATOR. E. & M. J., vol. 80, p. 393. ⅞ column. I.

BELT-CONVEYORS (Elevators). E. & M. J., vol. 76, p. 235. 3 columns.

PECK'S CENTRIFUGAL ELEVATOR. By F. D. Power. E. & M. J., vol. 75, p. 784. 2¼ columns. I.

AN ELEVATOR FOR SMELTING WORKS. By J. G. Clemmer. E. & M. J., vol. 71, p. 781. 2 columns. I.

HOISTING (by Elevator) AT THE YELLOW DOG MINE NEAR WEBB CITY, MISSOURI. Dy D. Brittain. E. & M. J., vol. 84, p. 922. 3 columns. I.

A BUCKET ELEVATOR FOR A MINE SHAFT. E. & M. J., vol. 81, p. 125. 2 columns. I.

CAR RETARDERS FOR INCLINES. E. & M. J., vol. 76, p. 550. 2 columns. I.

ELEVATORS FOR COAL WASHING PLANTS. Sch. Mines Quart., vol. 17, p. 393. 1 page.

SPECIAL DEVICE FOR THE ELEVATING OF GRANULATED SLAG. E. & M. J., vol. 61, p. 63. ½ column. I.

A MAN ELEVATOR (for Mills). Min. & Sci. Press, vol. 86, p. 352. 1½ columns. I.

THE BRUNTON MAN ELEVATOR. E. & M. J., vol. 84, p. 1065. ⅜ column. I.

THE ROSS MINING COMPANY'S ELEVATOR FOR LIFTING TAILINGS. Min. & Sci. Press, vol. 55, p. 113, 2 columns, I.; and p. 117, ½ column.

TAILINGS ELEVATORS. By W. H. Wood and E. J. Laschinger. E. & M. J., vol. 77, p. 481. 5¾ columns. I.

SIZE AND CAPACITY OF TAILING WHEELS, CALUMET AND HECLA MILL. E. & M. J., vol. 78, p. 740. Note.

CAR RETARDERS FOR INCLINES. E. & M. J., vol. 76, p. 550. 2 columns. I.

SAND WHEEL FOR CALUMET AND HECLA WORKS. M. & M., Feb., 1902, p. 299. 1 column.

TAILINGS WHEEL AT HENRY NOURSE MINE, IN THE TRANSVAAL, SOUTH AFRICA. E. & M. J., vol. 67, p. 237.

See CONVEYORS FOR MINERAL AND COAL.

Storage of Mineral and Coal

THE STORAGE OF COAL: United States Government Storage Construction at Bradford. M. & M., vol. 26, p. 367. ¼ column.

STORAGE OF BITUMINOUS COAL. By F. M. Griswold. Min. Mag., Aug., 1904, p. 147.

A NEW METHOD OF PRESERVING COAL. Min. Mag., vol. 38, p. 231. 1 column.

METHODS OF HANDLING AND STORING IRON ORE AT WABANA MINES. J. C. M. I., vol. 3, p. 132. I.

TABLE OF COALS ARRANGED ACCORDING TO DEGREE OF SELF-INFLAMMABILITY. T. A. I. M. E., vol. 4, p. 64.

ATMOSPHERIC OXIDATION OR WEATHERING OF COAL. By J. P. Kimball. T. A. I. M. E., vol. 8, p. 204.

THE DANGERS OF COAL CARGOES. Engineering, London, vol. 64, p. 386. 3 columns.

WEATHER WASTE OF COAL. E. & M. J., vol. 18, p. 115. ½ column.

COAL EXPOSED TO AIR DETERIORATES. Min. & Sci. Press, vol. 21, p. 27. ½ column.

WEATHERING OF COAL. E. & M. J., vol. 12, p. 50. ⅜ column.

WEATHERING OF FUEL. By William White. P. E. Soc. W. Pa., vol. 10, p. 188. 2½ pages.

THE WEATHERING OF COAL. By S. W. Parr and N. D. Hamilton. M. & M., vol. 28, p. 492 4 columns. I.

The Dodge Coal Storage System. Min. Mag., Dec., 1904, pp. 388–390.

The Dodge Coal Storage Plant. E. & M. J., vol. 49, p. 357. 1¼ columns. I.

Storage of Coal. E. & M. J., vol. 78, p. 218. Note.

Problem in the Storage of Granular and Lump Material. By W. E. Hunter and J. S. Meyers. Min. & Sci. Press, vol. 91, p. 105. 4 columns. I.

The Storage of Coal by Submergence. E. & M. J., vol. 82, p. 499. ½ column.

Coal-Storage Under Water at Hawthorne, Illinois. E. & M. J., vol. 83, p. 576. 2 columns. I.

Storing Coal Under Water. By O. C. Spurling. M. & M., vol. 27, p. 438. 1½ columns. I.

Keeping Coal Under Water. E. & M. J., vol. 74, p. 681, note; and vol. 75, p. 664, note.

Storage of Bituminous Coal. E. & M. J., vol. 77, p. 725. ½ column.

Coal Storage: The Different Methods of Storing and Handling the Steam Sizes of Anthracite Coal. By C. Piez. M. & M., vol. 18, p. 485. 7½ columns. I.

See Spontaneous Combustion for further information on Weathering of Coal.

Handling and Tramming Underground

Origin of Word "Tram." Engineering, London, vol. 63, p. 118. ¼ column.

Transportation in Michigan Mines. Sch. Mines Quart., vol. 20, p. 148. 2½ pages.

Transport and Tramming: Rails, p. 394, I.; Trucks, p. 395, I.; Cost, p. 402, I. The Witwatersrand Gold-Fields.

Tramming, Rossland, British Columbia. M. & M., vol. 21, p. 365. ½ column.

Transport of Ore to Shaft Bins (Tramming). Min. Mag., vol. 12, p. 278.

Handling Mine Cars in Steep Places. M. & M., vol. 28, p. 286. 1 column. I.

Handling Ore Underground at the Liberty Bell Mine, Colorado. E. & M. J., vol. 83, p. 175. 3 columns. I.

Tramming in the Hematite Mines of New York. E. & M. J., vol. 82, p. 554. ½ column.

Tramming on the Rand, also Raising. Gold Mines of the Rand, p. 132. 4 pages. I.

Handling Ore in the Stopes. By D. T. Williams. Min. & Sci. Press, vol. 92, p. 183. 4 columns.

Tramming in Western Australian Gold Mines. Gold Min. & Mill. W. Aus., p. 182. 1 page.

Handling Ore in Stopes, Rand Mines. By D. T. Williams. M. & M., vol. 27, p. 188. 3 columns.

Transport and Tramming in the Rand Mines. Witwatersrand Gold-Fields, p. 394. 9½ pages. I.

A Hanging Tram-Road at the Dolcoath Tin Mine. Tin Deposits of the World, p. 179. Notes. I.

Haulage Arrangement at the Face. T. I. M. E., vol. 33, p. 663. 1 page. I.

Ore Delivery from Stopes. By E. L. Le Fevre. Min. & Sci. Press, vol. 88, p. 280. 2½ columns.

Handling Ore in Stopes. By D. T. Williams. E. & M. J., vol. 81, p. 850. 5 columns.

Handling Copper Ore Underground in Lake Superior Region. M. & M., July, 1903, p. 536.

Underground Ore Handling at Lake Superior. By W. R. Crane. E. & M. J., vol. 82, p. 695. 8 columns. I.

HAULAGE IN MINES

Tractive Force in Haulage

TRACTIVE POWER OF HAULAGE ENGINES. T. A. I. M. E., vol. 16, p. 250.

FORCES ON INCLINED PLANES. Min. & Sci. Press, vol. 91, p. 259. Table.

MINE GRADES AND CURVES. M. & M., Jan., 1902, p. 252.

GRADES FOR HAULAGE AND DRAINAGE. By R. Lewis. Coll. Engr., vol. 13, p. 175. 1½ columns.

EFFECT OF GRADE ON DRAW-BAR PULL. E. & M. J., vol. 84, p. 1028. Note.

EFFECT OF GRADES ON DRAW-BAR PULL IN HAULAGE. E. & M. J., vol. 81, p. 1145. Note.

VALUE OF THE COEFFICIENT OF FRICTION IN HAULAGE SYSTEMS. Min. & Sci. Press, vol. 85, p. 113. ⅓ column.

TRACTIVE POWER OF A MINE LOCOMOTIVE. M. & M., May, 1902, p. 478.

THE WORK OF A HORSE. E. & M. J., vol. 62, p. 148. ¾ column.

THE TRACTIVE FORCE OF MINERS. E. & M. J., vol. 75, p. 331

POWER UTILIZED BY DIFFERENT HAULAGE SYSTEMS UNDERGROUND. Min. & Sci. Press, vol. 49, p. 213. Table.

TRACTIVE FORCE OF A MULE IN HAULING MINE CARS. E. & M. J., vol. 74, p. 679. Note.

FORCE OF WIND IN POUNDS AND EQUIVALENT VELOCITY IN MILES PER HOUR. Smithsonian Contributions to Knowledge, vol. 13, p. 39. Table.

PETROLEUM MOTORS FOR COAL MINE HAULAGE. By M. J. Kersten. E. & M. J., vol. 68, p. 724. 1½ columns. I.

ROPE STRESSES ON HAULAGE PLANES: Forces on Inclined Planes. M. & M., vol. 26, p. 410. Table.

HAULAGE PROBLEM: Stress in Rope. M. & M., vol. 21, p. 263. 1⅓ columns.

RATE OF HAULING BY ELECTRIC LOCOMOTIVES. T. A. I. M. E., vol. 18, p. 416.

ELECTRIC TRACTION. By E. Barrington. J. W. Soc. E., vol. 1, p. 745. 68 pages.

ELECTRIC POWER VS. MULES FOR MINE HAULAGE. By M. F. Peltier. E. & M. J., vol. 83, p. 528. 4 columns. I.

THE SPEED OF ELECTRIC MOTORS. By H. M. Hobart. Engineering, London, vol. 77, p. 407. 6 columns. I.

MULES VS. ELECTRIC MOTORS (Locomotives). By W. F. Murray. E. & M. J., vol. 82, p. 976. 2½ columns.

MULE HAULAGE IN PENNSYLVANIA MINES. 2d Pa. Geol. Survey, A.C., p. 217. 2½ pages.

CALCULATION OF HAULAGE CAPACITY OF MOTORS. E. & M. J., vol. 84, p. 78. Note.

MINE HAULAGE: Tractive Power of Locomotive. M. & M., Sept., 1903, p. 93.

MINE-MOTOR TRACTION: Calculate Number of Loaded Cars a Given Weight Motor should Haul on a Given Grade. M. & M., July, 1902, p. 572.

NOTE ON THE FRICTION OF MINE-CAR WHEELS. By R. Van A. Norris. T. A. I. M. E., vol. 18, p. 508.

DETERMINING CAPACITY OF ELECTRIC MINE LOCOMOTIVE. M. & M., vol. 28, p. 232. 2 columns. I.

Haulage Systems

HAULAGE PROBLEM: Given, System, Method of Attaching Trips, Directions of Travel, Weight of Cars, Weight of Rope, Friction, etc. M. & M., June, 1901, p. 516.

PROBLEMS IN HAULING AND HOISTING. By A. Bowie. T. A. I. M. E., vol. 31, p. 265.

ADOPTION OF A HAULAGE SYSTEM. M. & M. Apr., 1901, p. 409.

Notes on Anthracite Mine Haulage. By A. D. W. Smith. E. & M. J., vol. 66, p. 611. ⅞ column.

Modern Mine Haulage Practice. By H. K. Myers. M. & M., vol. 20, p. 75. 5½ columns. I.

Mine Haulage Systems: Conditions Suited to Haulage by Animals, Ropes, Steam or Air Locomotives, and Various Kinds of Electric Locomotives. By T. G. Altman. M. & M., May, 1904, p. 512. 2½ columns.

Different Methods of Mine Haulage Compared: The Good and the Bad Methods Found as Parts of all the Systems. By B. F. Jones. M. & M., Aug., 1902, p. 8. 8½ columns.

Mining Haulage. By G. W. Westgarth. Iron & Coal Trades Rev., July 8, 1898.

Systems of Haulage Employed in the Bituminous Coal Fields. M. & M., Apr., 1902, p. 425.

The Longest Mine-Haulage. By F. L. Schellenberg. T. A. I. M. E., vol. 29, p. 101.

Brief Description of Haulage System. M. & M., vol. 27, p. 333. ⅔ column.

Mechanical Haulage. P. C. M., vol. 3, p. 20. 14 pages. I.

Electric Haulage in Mines. Min. & Sci. Press, vol. 82, p. 259.

Electric Haulage in Tunnels. Min. & Sci. Press, vol. 83, p. 227.

Haulage. M. & M., vol. 20, p. 520, I.; vol. 21, p. 44, 4 columns; p. 92, 5 columns, I.; p. 263, 1½ columns.

Lectures on Underground Haulage. E. & M. J., vol. 23, p. 457. 1½ columns.

Underground Haulage at Cannock and Rugeley Collieries. By R. S. Williamson. T. F. I. M. E., vol. 11, p. 564. 7 pages. I.

The Brown Hydraulic System for Underground Pumping and Haulage. By W. F. Lang. T. F. I. M. E., vol. 14, p. 47. 10 pages. I.

Underground Haulage: A Comparison of the Methods Used in the Anthracite Mines of Pennsylvania. By L. C. Loganroth. M. & M., vol. 19, p. 78, 2½ columns; by L. M. Evans, p. 158, 3½ columns.

Underground Haulage at the West Riding Collieries, Normanton. By W. E. Garforth. T. F. I. M. E., vol. 3, p. 960. 10 pages. I.

A Short Description of the Underground System of Haulage at Mitchell Main Colliery. By T. W. H. Mitchell. T. F. I. M. E., vol. 3, p. 147. 10 pages. I.

Some Systems of Underground Haulage at Messrs. Charlesworth's Collieries. By W. Hargreaves. T. F. I. M. E., vol. 4, p. 294. 8 pages.

Underground Haulage at Glapwell Colliery. By J. F. Lee. T. I. M. E., vol. 19, p. 110. 8 pages. I.

Description of Underground Haulage at Mossblown Colliery, Ayrshire. By J. Baird. T. I. M. E., vol. 23, p. 155. 8 pages. I.

The Windber Mine: A Description of the System of Underground Haulage and Mining Methods as Installed and Used. By J. S. Cunningham. M. & M., vol. 21, p. 340. 3 columns. I.

Underground Haulage in the Coal Mines of Pennsylvania. By H. V. Furman. Sch. Mines Quart., vol. 2, p. 194. 8 pages.

Underground Wire Rope Haulage. M. & M., Feb., 1903.
Sci. Am. Sup., Dec. 27, 1902 (No. 1408).

Underground Transportation. By A. P. Rockwell. Am. Jour. Min., vol. 3, p. 43. 2 columns +.

The Application of Mechanical Arrangements in Underground Operations. By R. H. Wynne. T. F. I. M. E., vol. 6, p. 563, 9 pages; vol. 7, p. 355, 14 pages.

Underground Haulage. By W. R. Wilson. T. N. S. I. M. & M. E., vol. 6, p. 101. 12 pages. I.

Remarks on Underground Haulage. T. N. S. I. M. & M. E., vol. 6, p. 194. 5 pages. I.

Haulage and Winding in the Kimberley Diamond Mines. T.N. S. I. M. & M. E., vol. 10, p. 99. 1¾ pages.

Mechanical Haulage. T. N. S. I. M. & M. E., vol. 10, p. 103. 1 page.

Haulage in the Coal Mines at Brilliant, Alabama. T. A. I. M. E., vol. 37, p. 491. 9 pages. I.

Underground Handling and Transport of Ore, South Africa. By G. Carter. Min. & Sci. Press, vol. 88, p. 81, 3⅓ columns, I.; and p. 98, 3 columns, I.

Hauling and Pumping Underground by an Oil-Engine. By W. Smith. T. I. M. E., vol. 18, p. 396. 4 pages. I.

Underground Handling and Transport of Ore (on the Rand). By C. B. Sauer and George Carter. P. C. & M. Soc. S. A., vol. 4, p. 319. 25½ pages. I.

Transportation in Drift Mines. Min. & Sci. Press, vol. 68, p. 165. ¼ column.

Mine Roads and Tracks: The Importance of Good Roads for Securing Economical Handling of the Mine Products. By H. L. Auchmuty. M. & M., vol. 20, p. 336. 8 columns. I.

Underground Railroads and Slopes. By H. M. Chance. Gauge, Sills, Switches, Rails, Turnouts, Slopes. 2d Geol. Sur. of Pa., A. C., p. 179. 14 pages. I.

Mechanical Transport Appliances in Mining and Engineering Works. By A. G. S. B. Little. Eng. Mag., Dec., 1899, and Jan., 1900.

Mono-Rail Tramming at Langlaate Deep, South Africa. By W. Bradford. M. & M., vol. 27, p. 9. 6⅓ columns. I.

The Portable Mono-Rail Transport System. By C. C. H. Millar. T. I. M. & M., vol. 6, p. 269.

Barney-Pit and Bridge for Car Haulage. T. A. I. M. E., vol. 19, p. 440 (plate 30).

Methods of Hauling in Tunnels. Tunneling. By C. Prelini (Book).

Haulage in the Newhouse Tunnel. M. & M., vol. 27, p. 37. ¼ column.

Handling of Coal in the Anthracite Mines of Pennsylvania. By F. Powell and T. W. Ridsdale. Sch. Mines Quart., vol. 4, p. 100. 12 pages. I.

A Peculiar Haulage System in the Arleberg Tunnel. E. & M. J., vol. 38, p. 216. ½ column.

Underground Haulage in Pennsylvania Mines. 2d. Geol. Survey Pa., A.C., p. 211. 7 pages.

The Mine and Tunnel Velocipede. E. & M. J., vol. 56, p. 57. ½ column. I.

A Novel "Horse," Especially Suitable for Use in Hilly Mining Regions on Inclined Planes (Rolling-Seat). By J. J. Ormsbee. M. & M., vol. 18, p. 77. 1 column. I.

Description of the System of Underground Transportation by Moving Chain, Adopted at the Hasard Collieries, Belgium. By W. P. Blake. T. A. I. M. E., vol. 2, p. 203.

Normanton Pumping and Haulage Plants. T. A. I. M. E., vol. 18, p. 422.

Plan and Profile of Haulage at Hillside Colliery, Pennsylvania. T. A. I. M. E., vol. 19, p. 274.

Treveskyn Mine: A Description of the Surface and Haulage Arrangements at this New Mine of the Vulcan Coal Company, Pennsylvania. M. & M., vol. 19, p. 74. 3 columns. I.

Wire Rope Haulage Problem: Method of Solving for the Application of the Gunckel Endless Rope System of Haulage. By George S. Whyte. M. & M., Apr., 1904, p. 409. 3 columns. I.

HAULAGE PROBLEM: Endless Rope with Given Output. Size and Weight of Cars and Speed of Winding Assumed. M. & M., Oct., 1902, p. 140.

THE INTRODUCTION OF ENDLESS HAULAGE INTO CAPE BRETON. By W. Blakemore. J. M. Soc. N. S., vol. 3, p. 82. 11½ pages. I.

ENDLESS-ROPE AND CHAIN SYSTEM OF HAULAGE. P. C. M., vol. 3, p. 34. 30 pages. I.

ENDLESS CHAIN AND ROPE HAULAGE. The Mechanical Handling of Material, p. 152. 6 pages. I.

ENDLESS ROPE HAULAGE CALCULATIONS. Coll. Engr., vol. 12, p. 114. ½ column.

SLOPE NO. 6, PRATT CITY, ALABAMA: Endless Rope Haulage — the Longest in the South. By N. Hutchings. M. & M., vol. 20, p. 251. 2 columns. I.

THE ENDLESS ROPE SYSTEM OF HAULAGE. M. & M., vol. 20, p. 520. ¾ column.

ENDLESS ROPE HAULAGE. By W. J. E. Carr. Coll. Engr., vol. 11, p. 227. 1½ columns. I.

ADVANTAGES OF ENDLESS ROPE HAULAGE SYSTEM. E. & M. J., vol. 39, p. 23.

CHAIN HAULAGE IN BELGIUM. E. & M. J., vol. 33, p. 107. ½ column.

HAULAGE BY CHAINS AND WIRE ROPE. E. & M. J., vol. 33, p. 277. 1 column.

NEW ENDLESS-ROPE HAULAGE PLANT AT SLOPE NO. 3, PRATT MINES DIVISION, TENNESSEE COAL, IRON AND RAILROAD COMPANY IN ALABAMA. By Erskine Ramsay. M. & M., Dec., 1903, p. 236.

HECKLES ARRANGEMENT OF ENDLESS ROPE HAULAGE. By M. J. Kersten. Coll. Guard., Nov. 5, 1897.

ENDLESS ROPE HAULAGE AT PRATT MINES. Iron Trade Rev., Aug. 30, 1900.

ENDLESS-ROPE HAULAGE. By W. B. Parsons. Sch. Mines Quart., vol. 3, p. 182. 14 pages. I.

ENDLESS ROPE HAULAGE AT THE PRATT MINES OF THE TENNESSEE COAL, IRON AND RAILROAD COMPANY AT ENSLEY, ALABAMA. M. & M., vol. 21, p. 220. 3½ columns. I.

ENDLESS-ROPE HAULAGE AT LETHBRIDGE COLLIERY. By D. L. Hardie. T. I. M. E., vol. 18, p. 335. 6 pages. I.

AN UNDERGROUND ENDLESS-ROPE AT THE MOSTON COLLIERY, MANCHESTER. By H. R. Hewitt. T. F. I. M. E., vol. 8, p. 377. 8 pages. I.

ENDLESS-ROPE HAULAGE AT PELTON COLLIERY. By N. M. Thornton. T. I. M. E., vol. 20, p. 195. 8 pages. I.

ENDLESS-ROPE HAULAGE AT AXWELL PARK COLLIERY. By R. W. Glass. T. I. M. E., vol. 21, p. 167. 8 pages. I.

ENDLESS-ROPE HAULAGE AT THE THORNCLIFFE, ROCKINGHAM, AND TANKERSLEY COLLIERIES. By W. H. Chambers. T. F. I. M. E., vol. 3, p. 970. 8 pages. I.

UNDERGROUND HAULAGE BY ENDLESS-ROPE AT ANSLEY HALL COLLIERY. By W. G. Phillips. T. F. I. M. E., vol. 3, p. 847. 8 pages. I.

WIRE ROPE HAULAGE AND ITS APPLICATION TO MINING. By F. C. Roberts. T. A. I. M. E., vol. 16, p. 213.

THE GUNCKEL PATENT CABLE-HAULAGE SYSTEM. M. & M., Feb., 1904, p. 346. 1 column.

AUTOMATIC CHAIN AND ROPE HAULAGE AT THE RHEIN-PREUSSEN MINE AT HOMBERG. Glückauf, 1899, p. 809. Coll. Guard., Oct. 20, 1899.

HAULAGE WITH PATENT CHAIN CABLE IN THE GERMAN MINE AT SCHWIENTOCHLOWITZ. Glückauf, 1902, p. 877.

APPLICATION OF WIRE ROPE TO SURFACE AND UNDERGROUND HAULAGE. By Wm. Hewitt. Trenton Iron Works.

Two Rope Haulage Systems. By R. Van A. Norris. E. & M. J., vol. 52, p. 164, 4½ columns, I.; p. 190, 3 columns, I.

Wire-Rope Haulage in Mines: Coalton Coal Mines, Kentucky. E. & M. J., vol. 27, p. 41. 1½ columns.

Wire Rope Haulage. Coll. Engr., vol. 13, p. 28. 4½ columns. I.

Rope Haulage at Broken Hill. Min. & Sci. Press, vol. 93, p. 486. 1½ columns. I.

Rope Transmission in Mine Haulage. M. & M., vol. 21, p. 89, 5½ columns; p. 168, 1½ columns.

Wire Rope Haulage. By T. E. Hughes. Coll. Engr. & Met. Miner, vol. 16, p. 148. 2½ columns.

Rope Haulage at the Bascoup Colliery, Belgium. E. & M. J., vol. 64, p. 487. 1 column. I.

Rope Haulage in Mines. E. & M. J., vol. 68, p. 642. 1⅓ columns.

Wire-Rope Haulage: The Tail-Rope, Counter Rope, and Endless Rope Systems. T. A. I. M. E., vol. 16, p. 240.

Rope-Haulage: Tail-Rope, Frick Mine. By J. H. Paddock. Coll. Engr., vol. 10, p. 246. 3 columns. I.

Tail Rope Haulage at Austen, West Virginia. Coll. Engr. & Met. Miner, vol. 14, p. 52. 1 column. I.

Tail Rope Plant for Working Side-Entries. E. & M. J., vol. 41, p. 267. ¾ column. I.

A Tail-Rope Haulage System in a Coal Mine. E. & M. J., vol. 74, p. 678. 5 columns. I.

Intermediate Side Track for Tail-Rope Haulage. By L. L. Logan. M. & M., June, 1902, p. 485. 2 columns.

Third-Rail Tail-Rope Haulage. By L. L. Logan. M. & M., May, 1903, p. 465.

Tail-Rope Haulage. M. & M., vol. 21, p. 171. ⅔ column.

General Arrangement of Tail-Rope: Haulage, Boiler and Pumping-Plants at Shaft No. 1, Pratt Mines Division. T. A. I. M. E., vol. 19, p. 312 (plate III).

Tail Rope Haulage. Coll. Engr., vol. 13, p. 213. 2 columns. I.

Tail-Rope Haulage with Continuous Drive. E. & M. J., vol. 84, p. 115. 2 columns. I.

Tail-Rope Haulage: The Consolidated Coal Company, Maryland. Coll. Engr., vol. 9, p. 205. 3½ columns. I.

Electric Haulage by the Main and Tail Rope System. By E. J. Bailey. T. F. I. M. E., vol. 8, p. 351. 5 pages. I.

Secondary Haulage in Fifeshire Mines, England. T. F. I. M. E., vol. 14, p. 196. I.

Notes on an Auxiliary Haulage at Netherseal Colliery. By G. J. Binns. T. F. I. M. E., vol. 13, p. 256. 12 pages. I.

Secondary Haulage. By W. Galloway. T. F. I. M. E., vol. 12, p. 257. 22 pages. I.

The Methods of Working Minerals, Secondary Haulage, and Ventilation in Fifeshire England. By A. Burt. T. F. I. M. E., vol. 14, p. 190. 16 pages. I.

The Nigri Mountain Railway. By W. J. Weightman. Cassier's Magazine, Feb., 1902, vol. 21, No. 4.

The Nilgiri Rack Railroad. Engineering, London, vol. 66, p. 358. 2 columns. I.

Rack-Rail Haulage in Coal Mines. By G. E. Lynch. E. & M. J., vol. 84, p. 212. 7 columns. I.

The Rack-Rail Haulage System in Coal Mines. E. & M. J., vol. 81, p. 1145. 4 columns.

Third-Rail System of Haulage: History and Present Practice. M. & M., Mar., 1904, pp. 382–383, etc.

Third or Rack-Rail Haulage. M. & M., May, 1904, p. 513. 1 column.

PROGRESS IN THE PERFECTION OF THE RACK RAILWAY. Engineering Journal, vol. 14, p. 76.

Haulage on Inclines

MOTOR HAULAGE ON INCLINES: Maximum Grade without Load, with Given Load, etc. M. & M., vol. 24, p. 146. ½ column.

HAULAGE: Inclined Roads; Level Roads; Grade, Angles of Inertia and Friction; Starting and Stopping Grades; Uniform Grade of Plane, etc. M. & M., vol. 20, p. 520, 5¼ columns, I.; p. 568, 3½ columns, I.

GRADES FOR INCLINED PLANES. By A. Bowie. Coll. Engr., vol. 8, p. 114. 3 columns.

GRADE OF SLANT ROADS. M. & M., vol. 21, p. 25. I.

NEW SYSTEM OF HAULAGE ADAPTED TO HEAVY GRADES. By B. Shubart. Min. & Sci. Press, vol. 90, p. 300. 3 columns +. I.

DETERMINATION OF GRADIENT OF HAULAGE ROADS. Coll. Working and Management, p. 155. 1 page.

MODE OF LAYING OUT UNDERGROUND CURVED ROAD. Coll. Working and Management, p. 157. 2½ pages. I.

ANGLE OF INCLINATION REQUIRED TO MAINTAIN VELOCITY OF CARS ON GRAVITY PLANES. M. & M., vol. 21, p. 285. Table.

INCLINATION OF TRACK FOR EQUAL RESISTANCE GOING AND COMING. M. & M., Jan., 1902, p. 283.

CALCULATION OF RESISTANCE OF GRADES TO HAULAGE. Min. & Sci. Press, vol. 84, p. 140, note; p. 187, note.

TO FIND GRADIENT FOR A SELF-ACTING INCLINE THE LENGTH OF WHICH IS GIVEN, NUMBER OF CARS PER TRIP, WEIGHT OF CAR AND LOAD (in pounds), SIZE OF ROPE AND FRICTION ALSO GIVEN. M. & M., Jan., 1905, p. 302.

EQUIVALENT ANGLE FOR GIVEN PERCENTAGE GRADE OF HAULAGE PLANE AND VICE VERSA. T. A. I. M. E., vol. 16, p. 238. Table.

John A. Roebling's Sons' Catalogue Wire Rope, 1903, p. 87.

WHAT PULL ON ROPE WILL BALANCE A TRIP ON 1 TO 13 INCLINE, FRICTION BEING GIVEN? M. & M., Jan. 1902, p. 283.

STRAIN OF ROPE FOR INCLINED HAULAGE, GIVEN LOAD. Coll. Eng. & Met. Miner, vol. 14, p. 323. ½ column.

WEIGHT ON RAILS AND ROPE IN INCLINED PLANE HAULAGE. Coll. Engr., vol. 13, p. 9. ¼ column. I.

THE INCLINE OF THE ATPONTLEY COAL COMPANY: Apparatus for Handling Coal in Cars from a High to a Low Elevation. By W. H. Finley. M. & M., Aug., 1904, p. 40. 2¼ columns. I.

HAULAGE ON INCLINE. M. & M., Jan., 1903, p. 260.

THE INCLINED PLANES OF THE MORRIS CANAL. By H. M. Wilson. Sch. Mines Quart., vol. 3, p. 283. 8 pages.

INCLINED PLANES. T. A. I. M.E., vol. 16, p. 223.

ROADWAYS IN INCLINED SEAMS. M. & M., vol. 21, p. 184. 2 columns. I.

GRAVITY PLANES: Number of Cars Required. M. & M., vol. 21, p. 284, 3½ columns; p. 361, ½ column.

TRANSPORTATION ON INCLINES: Methods of Getting Coal Down the Mountain from Mine to Tipple in West Virginia. By E. H. Coxe. M. & M., vol. 21, p. 10. 1½ columns.

LONG SLOPE HAULS: Haulage Plants of the Consolidated Coal Company of Frostburg, Maryland, at their Ocean Mines. By B. S. Randolph. M. & M., vol. 19, p. 132. 2 columns. I.

WIRE-ROPE SLOPE HAULAGE: Arrangement for Hauling on a Slope under Difficult Conditions, with a Record of the Life of Wire Ropes. M. & M., Apr., 1904, p. 413. 2½ columns. I.

The Wagoner-Palmros System for Inclines and Slopes. M. & M., Apr., 1904, p. 439. 1½ columns.

Incline Plane Haulage Problems. M. & M., Sept., 1902, p. 71. ⅛ column.

The Mahanoy Coal Plane-Method of Hauling Railroad Cars over the Mountain from Mahanoy Valley. M. & M., vol. 25, p. 101. 2 columns. I.

A Single Track Mining Jig (Inclined Plane). Min. & Sci. Press, vol. 84, p. 76. 1⅓ columns. I.

Haulage in the Iron Mines of Alabama. By W. R. Crane. Min. & Sci. Press, vol. 93, p. 235. 4½ columns. I.

Inclined Plane Railways. P. E. Soc. W. Pa., vol. 12, p. 234. 32 pages. I.

Gravity Planes. M. & M., Aug., 1904, p. 31. ¾ column.

Gravity Plane at Moulton Hill Mine, Quebec. By F. J. Falcing. E. & M. J., vol. 51, p. 143. 2 columns. I.

Gravity Plane at Moulton Mine. E. & M. J., vol. 51, p. 325. ½ column. I.

Gravity Planes: Number of Cars Required. M. & M., vol. 21, p. 284. 4¾ columns. Table.

A Gravity Plane. M. & M., vol. 21, p. 358, 1½ columns, I.; p. 361, ½ column.

Self-Acting Plane. Coll. Engr., vol. 9, p. 13. ¾ column. I.

Winding from Slopes. 2d. Geol. Survey Pa., A. C., p. 341 (Theory). 2 pages.

Self-Acting Planes. P. C. M., vol. 3, p. 64. 3 pages.

Engine Planes in the Anthracite Field. E. & M. J., vol. 84, p. 163. 1 column.

Engine-Plane Haulage: Size of Rope, Drum, and Engine for Given Inclination and Length of Slope. M. & M., vol. 21, pp. 75, 121.

Friction Car Check at Head of Car Haul. M. & M., May, 1904, p. 472. I.

Steam Locomotives

Haulage by Locomotives. P. C. M., vol. 3, p. 17. 1 page.

A New Type of Mining Locomotive. By T. W. Sprague. E. & M. J., vol. 62, p. 5. 2 columns. I.

The Use and Abuse of Colliery Locomotives. By W. W. Clayton. T. I. M. E., vol. 17, p. 212. 6 pages. I.

Locomotives for Mines. E. & M. J., vol. 6, p. 153. 1½ columns.

On the Use of Locomotives Underground. By C. Heinrich. E. & M. J., vol. 25, p. 375. 1 column.

Light Locomotives for Underground Haulage. E. & M. J., vol. 20, p. 353. 2 columns. I.

European Mining Locomotives. By F. C. Perkins. M. & M., vol. 26, p. 389. 3 columns.

Mine Locomotives for Gold Mines. Min. & Sci. Press, vol. 35, p. 369. 3 columns. I.

The Path of a Locomotive Crank-Pin. By G. D. Trask. Sch. Mines Quart., vol. 13, p. 223. 2 pages. I.

Petroleum on Russian Railroads. E. & M. J., vol. 68, p. 160. ⅓ column.

Gasoline Locomotive for Mine Use. E. & M. J., vol. 84, p. 346. 1¾ columns. I.

Fireless Locomotives. Min. & Sci. Press, vol. 30, p. 314. ½ column.

Hydraulic Locomotive. Min. & Sci. Press, vol. 31, p. 306. ¾ column.

The Principal Kinds of Fireless Locomotives. By M. Lavoinne. E. & M. J., vol. 28, p. 129. 1 column.

The Fireless Locomotive. E. & M. J., vol. 39, p. 103, 2¼ columns; p. 296, ½ column.

Locomotives without Fire. Min. & Sci. Press, vol. 38, p. 19, ½ column; p. 151, ½ column.

A Fireless Locomotive: A New Idea. Min. & Sci. Press, vol. 48, p. 141. ⅓ column.

Compressed Air Haulage

Compressed Air Coal Mine Locomotive. E. & M. J., vol. 60, p. 127. 1½ columns. I.

Compressed Air Mine Locomotive — Porters'. Coll. Engr., vol. 12, p. 183. 2 columns. I.

Compressed Air Locomotives. Min. & Sci. Press, vol. 71, p. 249. 1 column. I.

Compressed Air as a Motive Power: Interesting Experiments at Mr. Adamson's Works. T. N. S. I. M. & M. E., vol. 5, p. 154. 5 pages.

Car Propulsion by Pneumatic Power. By J. A. Whitney. E. & M. J., vol. 13, p. 58, 2½ columns; p. 90, 1⅓ columns; and p. 98, 3¼ columns.

Compressed Air Coal Mine Locomotive. E. & M. J., vol. 60, p. 127. 1½ columns. I.

First Conception of Compressed Air Locomotive. E. & M. J., vol. 78, p. 620.

Compressed Air Locomotive: Some of the Reasons why they are often Preferred in Mines; Principles Governing their Construction. By H. K. Myers. M. & M., vol. 21, p. 188. 4 columns. I.

Pneumatic and Electric Locomotives in and about Coal-Mines. By A. S. E. Ackermann. T. I. M. E., vol. 25, p. 529. 19 pages. I.

Compressed Air Haulage: Description of the Plant at the Susquehanna Coal Company's No. 6 Colliery. Coll. Engr. & Met. Miner, vol. 16, p. 228. 6 columns. I.

Compressed-Air Haulage: A Comparison of the Several Forms of Motor Haulage; The Particular Advantages of Compressed Air for Mine Work. By Robert Peele. M. & M., July, 1902, p. 562. 5½ columns.

Compressed Air Haulage. By T. D. Jones. M. & M., vol. 18, p. 538. 3 columns. I.

Air Connection for Charging Locomotives. By Robert Peele. M. & M., July, 1902, p. 562.

A Compressed Air Mining Locomotive (for Japan). E. & M. J., vol. 67, p. 623. ½ column. I.

Compressed Air Haulage in an Iron Mine. E. & M. J., vol. 68, p. 517. ¾ column. I.

Compressed-Air vs. Horse-Traction. T. A. I. M. E., vol. 19, p. 564.

Latest Developments in Compressed Air Motors for Tramways. By D. S. Jacobus. T. A. I. M. E., vol. 19, p. 553.

Compressed-Air Motors for Gathering Cars in Coal Mines; Cost of Operating as Compared with Mule Haulage. By B. S. Randolph. M. & M., Sept., 1903, p. 77. 4 columns. I.

Notes on the Compressed-Air Haulage-Plant at No. 6 Colliery of the Susquehanna Coal Company, Glen Lyon, Pennsylvania. By J. H. Bowden. T. A. I. M. E., vol. 30, p. 566.

Compressed-Air Mine Haulage. M. & M., Oct., 1901, p. 119.

Compressed-Air Motors for Gathering Cars in Coal-Mines. By B. S. Randolph. T. A. I. M. E., vol. 34, p. 144.

Compressed Air Traction Plant, Red Point Mine, Placer County, California. Min. & Sci. Press, vol. 83, p. 87. 2 columns. I.

Compressed Air Haulage Plants. By R. Hirsch. P. E. Soc. W. Pa., vol. 17, p. 301. 30 pages. I.

Compressed Air and Electricity for Haulage in Coal Mines: A Commentary on Mr. W. B. Clarke's Paper in Mines and Minerals, Apr., 1903. M. & M., June, 1903, p. 511. 3 columns.

Compressed Air Motors for Gathering Cars in Coal Mines. By B. S. Randolph. E. & M. J., vol. 76, p. 17. 2 columns. I.

A Study in the Economic Arrangement of Compressed Air Haulage. By E. Brackett. E. & M. J., vol. 75, p. 329. 10 columns. I.

Compressed Air Haulage. By T. D. Jones. M. & M., vol. 18, p. 538. 3 columns. I.

Electrical Haulage

Electrical Winding Plant. Min. Mag., Feb., 1905, p. 163. Electrician (London), Dec. 2, 1904.

A Rateau Exhaust-Steam-Driven Three-Phase Haulage Plant. By Wm. Maurice. T. I. M. E., vol. 32, p. 118. 18 pages. I.

Recent Developments in Electric Mine Haulage. E. & M. J., vol. 81, p. 1241. 3½ columns. I.

High-Tension Underground Hauling-Gear. Engineering, London, vol. 79, p. 343. 1½ columns. I.

The Three-Phase Electric Haulage Plant at Shirebrook Colliery, Mansfield. By W. Hay. T. I. M. E., vol. 27, p. 282. 7½ pages. I.

Advantages of Electric Haulage. By F. Norman. M. & M., vol. 28, p. 383. 3 columns.

Electric Haulage. P. E. Soc. W. Pa., vol. 13, p. 170. 1½ pages. I.

Electrical Mining Traction. Rept. Census Office, Mines & Quarries, 1902, Chap. 3, p. 152. 5 columns. I.

Telpherage. Rept. Census Office, Mines & Quarries, Chap. 3, p. 155. 1 column.

Electric Haulage in Metal Mines. E. & M. J., vol. 77, p. 324. 3 columns.

Electric Haulage for Mines. E. & M. J., vol. 77, p. 558. ¾ column.

The Electric Motor in Mining Operations. By G. W. Mansfield. T. A. I. M. E., vol. 16, p. 851.

The Electric Mine Railroad at Bleiberg in Carinthis. E. & M. J., vol. 56, p. 667. ⅞ column.

Recent Developments in Electric Mine Haulage. E. & M. J., vol. 81, p. 1241. 3¾ columns. I.

Haulage (Steam and Electricity, Locomotives and Hoisting Engines) at Ehrenfeld Colliery, Pennsylvania. E. & M. J., vol. 78, p. 257. 1 column.

Electric Haulage in Coal Mines. By J. McGhie. Coll. Engr., vol. 13, p. 247. 1 column. I.

Electric Haulage and Mine Ventilation. E. & M. J., vol. 58, p. 510. ½ column.

Electric Haulage in Mines. Coll. Engr. & Met. Miner, vol. 14, p. 93. 7 columns. I.

Electrical Mine Haulage in Pennsylvania, Erie Colliery. Coll. Engr., vol. 10, p. 84. 4⅔ columns. I.

Electric Mine Haulage Plant. By E. F. Bradt. T. L. S. M. I., vol. 4, p. 9. 6 pages. I.

Underground Electric Haulage Plant. By J. E. Jopling. T. L. S. M. I., vol. 4, p. 17. 10 pages. I.

Electric Haulage in Coal Mines. E. & M. J., vol. 55, p. 395. 1 column. I.

Electric Motor Car Haulage. E. & M. J., vol. 49, p. 61. ¼ column. I.

Sprague Electric Locomotives for Metal Mines. E. & M. J., vol. 49, p. 111.

Electric Traction on Roads and Mineral Railroads. By W. R. Cooper. T. I. M. E., vol. 23, p. 544. 22 pages.

Underground Electric Haulage at Mauvers Main Collieries. By A. T. Thomson. T. I. M. E., vol. 20, p. 29. 5 pages. I.

Electric Haulage at the Cannock and Rugeley Collieries. By R. S. Williamson. T. F. I. M. E., vol. 3, p. 483, 4 pages, I.; p. 486, 6 pages, I.

The Practical Part of Electric Haulage. By D. C. Thomas. M. & M., vol. 18, p. 314. 2⅓ columns.

ELECTRIC HAULAGE AT BEAR RUN MINE, PENNSYLVANIA. E. & M. J., vol. 57, p. 343. ½ column. I.

HIGH-TENSION UNDERGROUND HAULAGE GEAR. E. & M. J., vol. 79, p. 709. 4 columns. I.

ELECTRIC HAULAGE AT THE BERWIND-WHITE COMPANY'S EUREKA NO. 22 COLLIERY. By W. Sprague. E. & M. J., vol. 59, p. 508. 3 columns. I.

ELECTRIC HAULING AT THE MINES OF THE BROCK COAL COMPANY, PENNSYLVANIA. E. & M. J., vol. 57, p. 56. 1½ columns. I.

ELECTRICAL AND STEAM HAULAGE AT SLOPE NO. 3, PRATT MINE, OF THE TENNESSEE COAL, IRON AND RAILROAD COMPANY, AT ENSLEY, ALABAMA. By Neil Hutchings. M. & M., Nov., 1904, p. 168.

ELECTRIC MINE HAULAGE. By W. B. Clarke. M. & M., Jan., 1902, p. 252. 4½ columns. I.

ELECTRICITY AND HAULAGE. By F. A. Pocock. T. A. I. M. E., vol. 18, p. 412.

NOTES ON THREE-PHASE TRACTION. By G. B. Werner. Sch. Mines Quart., vol. 28, p. 376. 10 pages.

ELECTRIC MINE HAULAGE: The Influence of Grades, Curves, Track Construction, etc., upon the Capacity of Locomotives Required for a Given Work. By W. B. Clarke. M. & M., Jan., 1902, p. 252. 4½ columns. I.

ELECTRIC HAULAGE IN METAL MINES. E. & M. J., vol. 77, p. 324. 3 columns.

ELECTRIC HAULAGE AT PLEASLEY COLLIERY. By J. Piggford. T. F. I. M. E., vol. 12, p. 633. 10 pages. I.

ELECTRIC HAULAGE AT THE NORTON COAL MINES, VIRGINIA. E. & M. J., vol. 69, p. 379. 1 column. I.

ELECTRIC MINE HAULAGE. By W. B. Clarke. Min. Mag., Oct.-Nov., 1904, p. 269. 14 columns. I.

ELECTRIC HAULAGE IN MINES IN EUROPE. By F. C. Perkins. E. & M. J., vol. 71, p. 532. 1½ columns. I.

ELECTRICITY IN USE AS A MOTIVE POWER FOR UNDERGROUND MINE HAULAGE. Rept. Inspr. Mines, Pa., 1887, p. 121. 4 pages.

MECHANICAL TRACTION BY ELECTRICITY. By G. C. Cunningham. Engineering, London, vol. 67, p. 706, 1½ columns; vol. 65, p. 31, 5¾ columns, I.; p. 91, 8½ columns, I.

MECHANICAL MINE HAULAGE: Electricity and Compressed Air. E. & M. J., vol. 68, p. 218. 3 columns. I.

MINE MOTOR TRACTION. M. & M., Mar., 1902, p. 374. 2½ columns.

SPEED CONTROL OF ELECTRIC MINE LOCOMOTIVES: An Explanation of the Construction of Controllers and the Reasons Therefor. By R. B. Williamson. M. & M., May, 1902, p. 441. 5 columns.

ELECTRIC GATHERING LOCOMOTIVES: An Adaption of the Ordinary Trolley Locomotive so that it may enter Rooms in which Wires have not been Installed. M. & M., Sept., 1904, p. 57. 2 columns. I.

ELECTRIC LOCOMOTIVES IN GERMAN MINES. By K. Eilers. T. A. I. M. E., vol. 20, p. 356.

EARLY TYPES OF ELECTRIC MINE LOCOMOTIVES: Illustrating the Development in Electric Traction since the Year 1887. M. & M., Mar., 1904, p. 374. 3 columns.

ELECTRIC MINE LOCOMOTIVES: Traction, Third-Rail, and Sprocket Locomotives; Their Development and the Conditions to which They are Adapted. By W. L. Affelder. M. & M., Mar., 1904, p. 380. 12½ columns.

ELECTRIC MINE LOCOMOTIVES: Things to be Observed in the Choosing, Operating and Caring for Mine Locomotives to Ensure the Greatest Economy. By W. B. Clarke. M. & M., Apr., 1901, p. 389. 5½ columns.

MINE-MOTOR TRACTION. M. & M., Oct., 1902, p. 140.

The Morgan-Gardner Electric Locomotives. M. & M., Nov., 1901, p. 169.

Electric Mine Locomotives. Min. & Sci. Press, vol. 81, p. 567.

Electric Mine Locomotives. M. & M., Feb., 1905, p. 345.

Electric Mine Locomotives. Min. & Sci. Press, vol. 83, p. 56; vol. 84, pp. 131, 155.

Pneumatic and Electric Locomotives in and about Coal Mines. By A. S. E. Ackermann. T. I. M. E., vol. 25, p. 529. 19 pages. I.

Mine Locomotives: Electricity vs. Compressed Air. By W. B. Clarke. M. & M., July, 1901, p. 555.

Electrical Locomotives: Pick-up or Chamber Locomotives. M. & M., June, 1904, pp. 529–530.

Jeffrey Electric Locomotives. M. & M., May, 1902, p. 445. 1¾ columns.

Electric Locomotives. M. & M., June, 1901, p. 489. 1¾ columns.

Data of Electric Locomottives, also Weights of Rails that can be Used. Min. & Sci. Press, vol. 85, p. 3. Note.

The Jeffrey Electric Locomotive. E. & M. J., vol. 58, p. 561. ⅔ column. I.

Steam and Electric Mine Locomotives. E. & M. J., vol. 67, p. 412. 2 columns. I.

Electric vs. Steam Locomotives. By W. Langdon. Engineering, London, vol. 70, p. 783. 5¾ columns.

Eighteen Inch Gauge Electric Mining Locomotives. E. & M. J., vol. 61, p. 493. ½ column. I.

Electric Locomotives for Collieries. Sch. Mines Quart., vol. 20, p. 230. 4 pages. I.

The Immisch Storage Locomotive. Coll. Engr., vol. 9, p. 195. 1 column.

Mine Locomotives. 2d Geol. Survey, Pa., A.C., p. 219. 9 pages. I.

New Mining Locomotive of the General Electric Company. E. & M. J., vol. 54, p. 321, ⅔ column, I.; p. 583, ½ column.

Electric Mining Locomotives in Great Britain. By J. F. Granis. E. & M. J., vol. 82, p. 15. 3 columns. I.

Comparison of Electric and Compressed-Air Locomotives in American Mines. By B. S. Randolph. T. I. M. E., vol. 27, p. 429. 14 pages. I.

Electric Locomotives in Coal-Mining. Engineering, London, vol. 70, p. 291. 5 columns. I.

Electric Locomotives in Mines. E. & M. J., vol. 44, p. 376. ½ column. I.

Electric Traction by Accumulation. Engineering, London, vol. 64, p. 687. 2 columns.

Electric Locomotives: Principles which Determine the Size and Power of Locomotives Necessary for Various Loads and Grades. By H. K. Myers. M. & M.., vol. 21, p. 226. 4 columns. I.

Mine Cars: Capacity, Design, Running-Gear, Wheels, etc.

Frictional Resistance of Pit Cars: Results Shown by a Series of Tests of the Comparative Resistances of Plain and Roller Bearing Wheels. By D. E. Rust. M. & M., Aug., 1904, p. 49. 2 columns. I.

Train Resistance. Engineering, London, vol. 72, p. 741, 1 column; vol. 67, p. 182, 1 column.

Traction Resistance of Mine Cars. E. & M. J., vol. 75, p. 158. Table.

Friction of Mine Cars. By R. V. Norris. Coll. Engr., vol. 11, p. 165. 1 column.

Types of Coal-Mine Cars. By R. V. Norris. E. & M. J., vol. 79, p. 795. 5 columns. I.

Cars (Hand) Used in the Ontario Tunnel, Utah. E. & M. J., vol. 60, p. 31. 1 column. I.

MINE CARS AND CARS FOR THE "ACME" STEEL TRAMWAY. E. & M. J., vol. 56, p. 426. I.

LEHIGH AND WILKES-BARRE COAL COMPANY'S STANDARD MINE CAR. Coll. Engr. & Met. Miner, vol. 16, p. 176. I.

DUMP WAGONS OR CARS USED ON THE CHICAGO DRAINAGE CANAL. Engineering, London, vol. 63, p. 165, I.; p. 207, I.; p. 436, I.

METAL PIT-CARS: English Practice. T. F. I. M. E., vol. 3, plate XIX.

TRAM-CAR USED IN THE ATLANTIC MINE. E. & M. J., vol. 78, p. 866. I.
Dump Car, Atlas, 2d Geol. Survey of Pa., A.C., plate 20.

THE ROCKWOOD MINE WATER-CAR. E. & M. J., vol. 81, p. 671. 1 column. I.

THE SALOMONSON MINE CAR. By D. E. Woodbridge. E. & M. J., vol. 81, p. 555. 2 columns. I.

MINE CAR USED IN ILLINOIS MINES. M. & M., vol. 26, p. 483.

ECONOMY IN MINE CARS AND WHEELS. M. & M., vol. 26, p. 491. 1½ columns. I.

A BIN CAR. By R. D. O. Johnson. E. & M. J., vol. 81, p. 809. 2 columns. I.

A SPECIAL FORM OF SLAG-CAR. By L. J. W. Jones and B. H. Bennetts. T. A. I. M. E., vol. 36, p. 223. 4 pages. I.

TYPES OF PIT-CARS USED AT THE GLAPWELL COLLIERY. T. I. M. E., vol. 19, plate V. I.

AJAX BLASTING CAR. E. & M. J., Feb. 23, 1905, p. 396. 1 column. I.

A PIT CAR LOADING MACHINE. By W. E. Hamilton. M. & M., vol. 26, p. 197. 4 columns. I.

IMPROVED MINE CARS AND CAR WHEELS. M. & M., Sept., 1904, p. 84. 1 column. I.

MINE CARS AND WHEELS. M. & M., July, 1903, p. 558.

TABULATED STATEMENT: Giving Dimensions and Particulars of Cars Arranged in Order of Ratio of Weight of Car to Weight Carried. M. & M., vol. 21, p. 199. Table.

MINE CARS: Gauge, Capacity, etc., Blue Mountain Region, Oregon. M. & M., vol. 19, p. 15. Note.

NUMBER OF CARS NECESSARY TO OPERATE A MINE OF GIVEN OUTPUT. M. & M., vol. 26, p. 230.

GENERAL SPECIFICATIONS OF MINE CARS, WITH CAPACITIES, WEIGHT, ETC. M. & M., vol. 21, p. 199. Table.

CAPACITY OF MINE CARS. M. & M., Feb., 1902, p. 333.

CAPACITY OF MINE CAR FOR GIVEN WEIGHT OF CAR. M. & M., vol. 21, p. 285. Table.

A TEN-TON STEEL MINING CAR. By W. B. Devereux. E. & M. J., vol. 75, p. 518. 1 column. I.

50-TON MINERAL WAGONS ON FRENCH RAILWAYS. Engineering, London. vol. 79, p. 439. 1 column.

LARGE COAL CARS IN GERMANY. E. & M. J., vol. 76, p. 730. Note.

DESIGN OF COAL MINE CAR. M. & M., vol. 27, p. 430. ½ column. I.

DETAILS OF CAR CONSTRUCTION AT THE FRANKLIN MINE. M. & M., Aug., 1901, p. 15.

CAR CONSTRUCTION. M. & M., Sept., 1904, p. 84.

MINE CAR CONSTRUCTION. M. & M., Aug., 1904, p. 49.

CONSTRUCTION OF MINE CAR. M. & M., Aug., 1902, p. 8.

MINE-CAR, NEWCASTLE COAL MINES, COLORADO: Construction. Coll. Engr. & Met. Miner, vol. 17, p. 427. I.

DETAILS OF CONSTRUCTION OF MINE CAR: Colonial Coke Company. E. & M. J., vol. 81, p. 228. I.

STANDARD ORE CARS: Construction. Min. & Sci. Press, vol. 77, p. 457. I.

SIDE-DUMPING CAR CONSTRUCTION E. & M. J., vol. 84, p. 115. I.

Coal Car Construction. T. A. I. M. E., vol. 37, pp. 493, 494. 5 pages. I.

Construction of Mine Car, England. P. C. M., vol. 3, p. 6. I.

Details of Mine Car for a New Mexico Mine. M. & M., vol. 28, p. 521. I.

Mine Cars in Pennsylvania Coal Regions: Construction. By H. M. Chance. 2d Geol. Survey of Pa., A.C., p. 204. I.

The Chicago "Standard" Ore Car: Construction of Metal Car. E. & M. J., vol. 66, p. 577. ⅓ column. I.

Mine-Car Running Gear: Sections of Wheels, Axle-Box, Axle, etc. By R. V. Norris. E. & M. J., vol. 79, p. 938. 6½ columns. I.

A Cheap Truck for Mining Purposes: Details of Construction. Min. & Sci. Press, vol. 53, pp. 185. ¼ column. I.

Improved Car: Running Gear. M. & M., Feb., 1904, pp. 332–333.

Corner Plates for Mine Cars. E. & M. J., vol. 82, p. 885. 2 columns. I.

Electrical Generator Applied to Car Trucks. Min. & Sci. Press, vol. 81, p. 591.

Car Provided with Trunnions to Support and Dump Ore Bucket which is Lowered upon It. T. A. I. M. E., vol. 1, plate IV.

The Anaconda Mine-Car Axle. E. & M. J., vol. 66, p. 161. ½ column. I.

Railway-Wagon Axle-Boxes, and the Mode of Manufacturing Them from Steel Plate. By J. Newton. T. F. I. M. E., vol. 8, p. 344. 5 pages. I.

Coal Mine Car-Wheels. T. A. I. M. E., vol. 37, p. 496. 3 pages. I.

Notes on Car-Wheels. By R. Meeks. E. & M. J., vol. 82, p. 297. 1½ columns. I.

Mine Car Wheels. E. & M. J., vol. 82, p. 305. 2 columns. I.

Note on the Manufacture of Forged Iron Wheels, Arbel's Process. By A. Henry. T. A. I. M. E., vol. 5, p. 161.

Treatment of Steel for Car Axles. By L. R. Pomeroy. Columbia Engineer, 1897–98, p. 73. 16 pages. I.

Improved Car Wheels of the Susquehanna Coal Company. E. & M. J., vol. 49, p. 680. 6 columns. I.

The Flanges of Railroad Wheels. By G. W. Rhode. E. & M. J., vol. 55, p. 127. 1½ columns. I.

Mine Car Wheels: Material of Construction. M. & M., vol. 26, p. 215. 1 column.

Self-Oiling Car-Wheels. T. A. I. M. E., vol. 18, p. 509, etc.

Roller Bearings for Mine Cars. E. & M. J., vol. 82, p. 548. Note.

Ball Bearing Mine Car Wheels. Coll. Engr., vol. 13, p. 160. 2 columns. I.

Standard Specifications for Cast-iron Car-wheels. By C. B. Dudley. T. A. I. M. E., vol. 35, p. 189. 8 pages.

Wheelbarrows

Wheelbarrows: Use of, in Mining in Mexico. E. & M. J., vol. 72, p. 699. I.

Making Wheels for Barrows. By J. H. Granbery. E. & M. J., vol. 81, p. 362. ¾ column.

An End Dumping Wheelbarrow. By M. W. Alderson. Min. & Sci. Press, vol. 91, p. 140. 1 column. I.

Use of Wheelbarrow in the Daly-Judge Mine, Utah. E. & M. J., vol. 82, p. 110. Note.

Sheaves, Couplings, Clips, etc.

Automatic Locking Devices for Self-Acting Mine-Inclines. By H. P. Roeper. Coll. Engr., vol. 9, p. 263. 5¾ columns. I.

Improved Self-Acting Stop Block for the Prevention of Accidents and Loss of Life in Mines, in Steep and Flat Dips, Level Landings and Pit Mouths. By Wm. Scott. T. N. S. I. M. & M. E., vol. 9, p. 42, 3 pages, I.; p. 73, 3 pages, I.; p. 78, 5 pages.

Drags on Cars in Slopes. Rept. Inspr. Mines, Pa., 1880, p. 166. 2 pages. I.

Rept. Inspr. Mines, Pa., 1879, p. 227. 1¼ pages.

Car-Hitches for Rope Haulage on Inclined Planes. M. & M., May, 1901, p. 454.

Self-Detaching Steel Link for Rope Haulage, with or without Draw Chains (German). Glückauf, 1903, p. 862.

Eccentric Haulage-Clip. By J. Brown. T. F. I. M. E., vol. 13, p. 147. 1 page. I.

New Hitching-Staple for Mine-Cars, Cranberry Breaker. T. A. I. M. E., vol. 28, p. 337.

Top Attachment for Cars Driven by Overhead Rope System. M. & M., Aug., 1904, p. 40. I.

Device for Taking Rope off Trips (Breaking Connection) when Landing on Top of Slope. By J. P. Jenkins. M. & M., vol. 19, p. 365. ½ column. I.

Tail-Rope Knock-Off Device. M. & M., vol. 19, p. 425. 1⅓ columns. I.

Florence Mine: A Description of Some Ingenious Contrivances Used in Connection with the Electric Haulage System. M. & M., July, 1902, p. 542. 2½ columns.

Drag for Mine Cars. M. & M., Nov., 1901, p. 174.

Drag for Mine Cars. M. & M., Feb., 1902, p. 310.

A French Car Starter. E. & M. J., vol. 54, p. 487. ⅓ column. I.

Safety Appliances in Mine Haulage. P. C. M., vol. 3, p. 68. 4 pages. I.

The Patten Safety Blocks: An Ingenious Contrivance for the Prevention of Runaways on Slopes. By B. Halberstadt. Coll. Engr. & Met. Miner, vol. 14, p. 175. 1 column. I.

The Hunt Coupling for Transmission Rope. E. & M. J., vol. 61, p. 305. ½ column. I.

Rigid Coupling for Mine Cars. M. & M., vol. 19, p. 77. ¼ column. I.

Convenient Car Coupling. M. & M., vol. 19, p. 195. ⅓ column. I.

Improved Offtake-Socket for Coupling and Uncoupling Haulage Ropes. By W. C. Blackett. T. I. M. E., vol. 24, p. 61. 2 pages. I.

Car-Couplings. T. A. I. M. E., vol. 37, p. 499. ⅓ page.

Rigid Coupling for Mine Cars. By H. N. Sims. M. & M., vol. 19, p. 77. ¼ column. I.

A Coupling for Endless Rope Haulage. E. & M. J., vol. 67, p. 45. ¼ column.

Double Drawbar Car Couplings. By H. M. Lane. M. & M., vol. 20, p. 156. 2⅔ columns. I.

A Convenient Car-Coupling. By H. K. Moberly. M. & M., vol. 19, p. 195. ¼ column. I.

Rope-Clips for Endless-Rope Haulage. T. I. M. E., vol. 21, plate 8. I.

Restoration of Crystallized Chains, Pins, Couplings, etc., by Annealing. E. & M. J., vol. 79, p. 849.

Section and Views of Grip Pulley. Min. & Sci. Press, vol. 43, p. 157. I.

Sheaving on a Curve. By Wm. W. Core. M. & M., vol. 21, p. 270. 1¾ columns. I.

The Steine Sheave Wheels for Gravity Planes. M. & M., June, 1902, p. 503. ¾ column.

The Barraclough Clip Pulley. E. & M. J., vol. 38, p. 428. ½ column. I.

Haulage Guide Pulleys. M. & M., Nov., 1902, p. 188.

Details of Tail Rope Drum and Friction Clutch. E. & M. J., vol. 41, p. 267. I.

A Jig Wheel and Brake. M. & M., June, 1901, p. 495. ¼ column.

Brakes vs. Sprags for Mine Cars. M. & M., May, 1901, p. 458.

Mine-Car Brake. M. & M., vol. 20, p. 417. 1 column. I.

New Brake for Mine-Cars. M. & M., vol. 19, p. 544. 1 column. I.

The Steine Sheave Arrangement: A Device for Letting Down Coal, Iron, Clay, and Other Materials on Planes by Gravity. M. & M., vol. 26, p. 153. 2 columns. I.

Deterioration of Mine-Car Couplings. By W. H. Finley. E. & M. J., vol. 79, p. 849. 1¾ columns.

Mine Roads, Tracks

Mine Roads and Tracks. By H. L. Auchmuty. M. & M., vol. 20, p. 336. 8 columns. I.

The Losses Due to Bad Track Beds for the Haulage Roads in Mines. M. & M., vol. 19, p. 574. 1 column.

Sizes of Rails in the Mines of the Lehigh Anthracite Region. Sch. Mines Quart., vol. 2, p. 200.

Rails and Track: Electric Haulage. T. A. I. M. E., vol. 19, p. 282.

Use of Short Rails in a Nevada Mine. E. & M. J., vol. 82, p. 548. Note.

Construction of Tracks in Coal Mines. By M. S. Hachita. E. & M. J., vol. 84, p. 640. 17 columns. I.

Mine Rails, Switches, etc., England. P. C. M., vol. 3, p. 10. 2½ pages. I.

Gauge of Mine Tracks. M. & M., vol. 21, p. 362. ⅓ column.

A Mine Road Curve: An Interesting Device by which Much Time and Expense are Saved and Capacity for Hoisting Coal Increased. By G. W. Engel. M. & M., vol. 19, p. 152. 1¾ columns. I.

Mine and Quarry Tracks. M. & M., July, 1904, p. 638.

A Hydraulic-Pneumatic Mine Door Opener: A Device for Operating any Door Against any Pressure; a Safety Derailing Latch. By L. L. Logan. M. & M., vol. 26, p. 244. 4 columns. I.

Switches, Turnouts, etc.

Diamond Switches. M. & M., Apr., 1905, p. 457. 1 column. I.

Method of Laying Out Mine Switches: Diamond Switches. M. & M., vol. 26, p. 23. ½ column.

Track Work: Laying a Mine Switch. M. & M., Feb., 1902, p. 332.

Switches in Mexican Mines: Split and Fixed Switches. Min. & Sci. Press, vol. 93, p. 444. Note. I.

Double, or Diamond, Cross-Over Switches. By Leo Gluck. M. & M., vol. 23, p. 374. 3½ columns.

An Automatic Gravity Switch. M. & M., Aug., 1903, pp. 14, 26; Nov., 1901, p. 175.

Track Work: Laying a Cross-Over Switch. M. & M., Aug., 1902, p. 45.

Frogs and Switches. By W. B. Parsons. Sch. Mines Quart., vol. 5, p. 38. 8 pages. I.

Switches. M. & M., vol. 26, p. 167. ¼ column. I.

An Automatic Switch for Rapid and Economical Handling of Coal at Shaft and Slope Heads. By B. Halberstadt. Coll. Engr. & Met. Miner, vol. 16, p. 78, 1 column, I.; p. 80, ¾ column, I.

Swinging Platform Switch. Min. & Sci. Press, vol. 87, p. 254. 1 column. I.

A Convenient Mine Switch. Min. & Sci. Press, vol. 87, p. 270. ⅔ column. I.

Turnouts. By T. J. Brereton. Sch. Mines Quart., vol. 11, p. 320. 8 pages. I.

Frog for a Mine Road. By L. C. Morgansroth. M. & M., vol. 19, p. 278. ½ column. I.

Curves on Mine-Haulage Roads. M. & M., Jan., 1903, p. 280. 1 column.

Automatic Switch. By H. P. Roeper. Coll. Engr., vol. 9, p. 191. 6½ columns. I.

An Automatic Gravity Switch. M. & M., vol. 24, p. 14. ½ column. I.

A Swinging Track. By W. N. Cummings. E. & M. J., vol. 79, p. 989. 2 columns. I.

An All Cast-Iron Turn-Table. By J. C. Bennett. E. & M. J., vol. 77, p. 195. 3 columns. I.

Turn-Table for Fixed Trucks. Witwatersrand Gold-Fields, p. 234. I.

HOISTING IN MINING

Calculations for Hoisting Engines

THE DYNAMICS OF THE WINDING-ENGINE. By S. L. Thacker. T. I. M. E., vol. 26, p. 445. 28 pages. I.

GEARS FOR SECOND-MOTION HOISTS. Min. & Sci. Press, vol. 94, p. 145. Note.

UNDERGROUND HOISTING PROBLEMS ON THE WITWATERSRAND. By A. W. K. Peirce. Min. & Sci. Press, vol. 87, p. 372. 2½ columns.

COLLIERY HOISTS: Calculations. By F. E. Brackett. E. & M. J., vol. 82, p. 827. 9½ columns.

COMPARISON OF HOISTING ENGINES FOR VERTICAL SHAFTS. T. I. M. & M., vol. 11, plate 76.

THE HOISTING PROBLEM. By J. R. Thompson. T. L. S. M. I., vol. 10, p. 72. 6 pages.

PROBLEMS IN HOISTING AND HAULING. By Alexander Bowie. T. A. I. M. E., vol. 31, p. 265. 1901.

ELEMENTS IN THE DESIGN OF HOISTS. Min. & Sci. Press, vol. 84, p. 59. Note.

A NEW METHOD OF RATING HOISTS. M. & M., vol. 28, p. 548. 1 column.

CALCULATIONS FOR SIZE OF WINDING TO RAISE GIVEN QUANTITY OF COAL FROM A GIVEN DEPTH. P. C. M., vol. 3, p. 162. 2 pages.

PROPOSED PLANT FOR WINDING 250 TONS OF COAL PER HOUR FROM A DEPTH OF 3000 FEET. By B. Woodworth. T. I. M. E., vol. 30, p. 31. 11 pages. I.

CALCULATION OF HOISTING LOAD AT THE ANACONDA MINE, BUTTE, MONTANA. M. & M., vol. 21, p. 155. Note.

DESIGN OF PARTS OF HOISTING ENGINE: Cylinder, Bolts, Connecting Rod, Crosshead Pin, Crank Pin, Crank Shaft, Guide Bars, Valves, Drums. Mech. Eng. Coll., Futers', p. 221. 4 pages. I.

CALCULATION OF FRICTIONAL RESISTANCE OF ROPE AND DRUM. Mech. Eng. Coll., Futers', p. 213. 1½ pages.

CALCULATION OF HOISTING ENGINES: Counterbalanced and non-counterbalanced. Mech. Eng. Coll., Futers', p. 139. 30 pages. I.

CALCULATION OF POWER FOR HOISTING. E. & M. J., vol. 81, p. 959. Note.

THE HOISTING PROBLEM. By James R. Thompson. E. & M. J., Jan. 26, 1905, p. 173. 9 columns.

CALCULATION OF SIZE OF A WINDING ENGINE. M. & M., vol. 20, p. 379. 2½ columns.

DETAILED PARTS (Drawings) OF HOISTING ENGINES. Mech. Eng. Coll., Futers', p. 166. 40 pages +.

THE CALCULATIONS OF HOISTING-ENGINES. E. & M. J., vol. 32, p. 351. 2⅓ columns.

CALCULATION PERTAINING TO HOISTING: The Conical Drum. By F. W. Ewald. Coll. Engr., vol. 13, p. 186, 2½ columns, I.; p. 211, 1½ columns.

HOISTING CALCULATIONS. Coll. Engr., vol. 12, p. 114. ½ column.

HOISTING PROBLEM: Given, Output, Time, Depth of Mine, etc. Coll. Engr., vol. 10, p. 275. 1 column.

NUMBER OF R. P. M. OF HOISTING ENGINE WHEN GENERATING A GIVEN H.P. M. & M., vol. 26, p. 139. Note.

KIND AND SIZE OF HOISTING ENGINE FOR GIVEN OUTPUT, GIVEN DEPTH OF SHAFT, GIVEN TIME, GIVEN STEAM PRESSURE, ETC. M. & M., vol. 26, p. 140.

HOISTING PROBLEM: Given, Capacity (Output per Day), Size of Shaft, Depth of Shaft, Length of Shift, etc. M. & M., June, 1901, p. 516.

QUALIFICATIONS AND DUTIES OF A HOISTING ENGINEER: A Consideration of Some of the Requirements both Personal and Educational. By J. T. Beard. M. & M., Aug., 1904, p. 39. 3 columns.

HOISTING ENGINE PROBLEM: Calculation on Kind and Size of Engines to Hoist a Given Load in a Shaft of Given Depth. M. & M., Jan., 1904, p. 286.

CHOICE OF A HOISTING ENGINE FROM THE STANDPOINT OF THE PURCHASER: How to Determine the Size of Engine Required. By Litchfield Foundry & Machine Co. M. & M., July, 1904, p. 617.

HOISTING ENGINE SPECIFICATIONS: Sample Specifications for a Pair of Heavy Hoisting Engines for Use in a Coal Mine. By F. W. Gerecke. M. & M., July, 1904, p. 590.

HOISTING - ENGINE CALCULATIONS: Methods of Calculating Sizes and Power of Engines Required to do a Given Work. M. & M., July, 1904. p. 627.

THE HOISTING PROBLEM: The Relation of the Underground Requirements, the Engineering and Mechanical and the Financial Considerations. By James R. Thompson. M. & M., Nov., 1904, p. 184.

THE HOISTING PROBLEM. By J. R. Thompson. T. L. S. M. I., 1904.
Min. Mag., Oct.-Nov., 1904, p. 294. 4½ columns.

CALCULATING SIZE OF WINDING ENGINE. M. & M., vol. 20, p. 379. 2½ columns.

SELECTING AN ENGINE: Slow and Fast Speed Engines, etc. M. & M., vol. 20, p. 381. 2½ columns.

CALCULATIONS OF SIZE OF ENGINES FOR HOISTING: Simple Engine, Cross Compound Engine, Twin Tandem Compound. T. I. M. & M., vol. 11, p. 304.

REMARKS ON WINDING ENGINES. By A. M. Grant. T. F. I. M. E., vol. 8, p. 390. 4 pages. I.

HOISTING: Size of Engine. M. & M., vol. 21, p. 171. ½ column.

HOISTING ENGINE CALCULATIONS. Bulletin Société de l'Industrie Minérale, 1900, pp. 193–373; 135–190; 375–479.
Glückauf, 1898, June 4, 11, 18 and 25.
Min. & Sci. Press, June 28, 1902, p. 349.
T. A. I. M. E., vol. 33, p. 145.
M. & M., July, 1904, p. 627.
Coll. Engr., Mar., 1893, p. 186; Apr., 1893, p. 211.

MAIN CONDITIONS DEMANDED OF A HOISTING ENGINE: Maximum Safety to Life; Minimum Running Cost; Initial Expenditure; Flexibility. E. & M. J., vol. 74, p. 740.

DETERMINING THE SIZE OF HOISTING-PLANTS. By E. B. Durham. T. A. I. M. E., vol. 33, p. 145.

EFFECT OF SLACK ROPE IN HOISTING. T. A. I. M. E., vol. 16, p. 222.

EFFECTS OF ACCELERATION ON WINDING: Torques and Test of Tarbox Electrical Winding-Plant. By G. Ness. T. I. M. E., vol. 32, p. 287. 9 pages.

THE CALCULATIONS OF ELECTRIC HOISTING ENGINES. By V. Graubner. Oest. Zeit. f. Berg- u. Hüttenwesen, Sept. 10, 17, 24, 1904. By H. Kock and H. Schniede. Electrotechnische Zeitschrift, Sept. 22, 1904. Min. Mag., Dec., 1904, p. 403. 1¾ columns.

HOISTING PROBLEM: To Determine Size of Rope to Hoist from Given Depth and Given Load; to Find Size of Engine for Given Duty. M. & M., Sept., 1903, p. 87.

CARE AND HANDLING OF HOISTING ENGINES. By J. H. Pennington. M. & M., July, 1904, p. 599.

SOME INDICATOR CARDS FROM WINDING ENGINES: Illustrations of Different Degrees of Economy Obtained by Different Methods of Running. By W. A. Macleod. M. & M., July, 1904, p. 607.

Excessive Strains in Hoisting. T.I. M. E., vol. 35, p. 146. 3 pages.

Loads and Strains on Hoisting Ropes. By W. S. Hall. Sci. Am. Sup., Aug. 4, 1883 (No. 396).

Electrical Mine Hoists: Data Regarding Hoisting and Lowering. Min. & Sci. Press, vol. 74, p. 308. 2½ columns. I.

Compounding in Hoisting Engines: A Comparison of the Relative Economy of Hoisting with Compound, Condensing and Simple Engines. M. & M., July, 1904, p. 592.

Relief Valves on Hoisting Engines. By J. J. Rutledge. M. & M., July, 1904, p. 582.

Methods of Hoisting, Appliances, etc.

Location of a Hoisting Plant. Min. & Sci. Press, vol. 91, p. 91. 1 column. I.

Preliminary Hoisting Plant for Mines. By R. Peele. Sch. Mines Quart., vol. 18, p. 84. 8 pages. I.

Hoisting (by Elevator) at the Yellow Dog Mine Near Webb City, Missouri. E. & M. J., vol. 84, p. 922. 3 columns. I.

A Bucket Elevator for a Mine Shaft: Hoisting Zinc Ore at Cartharge, Missouri. E. & M. J., vol. 81, p. 125. 2 columns. I.

Underground Hoisting Plant. Min. & Sci. Press, vol. 92, p. 72. Note. I.

Winding Engines at the Adelbert Shaft at Przibram, Bohemia. By J. Novok. E. & M. J., vol. 20, p. 384. 1½ columns.

A Veteran Hoisting Engine at Linares, Spain. By E. R. Woakes. E. & M. J., vol. 78, p. 220. 2 columns. I.

New Hoisting Plant of the Calumet and Hecla Mining Company. E. & M. J., vol. 49, p. 426. ½ column.

Hoisting in the Mines of the Rand. T. I. M. & M., vol. 15, pp. 346, 350, 352. I.

St. Paul Cable Hoist: United States Government Conveyor Plant at St. Paul, Minnesota. Stone, Dec., 1898.

Hoisting at Rossland, British Columbia. M. & M., vol. 21, p. 366. ½ column.

Hoisting Methods at Butte. E. & M. J., vol. 81, p. 514, 1 column, I.; p. 463, 7 columns, I.

Winding Appliances, Past, Present, and Future. By C. M. Percy. T. N. S. I. M. & M. E., vol. 6, p. 237. 20 pages.

Centrifugal Pump as a Hoisting Engine. Eng.-Cont., vol. 27, p. 15. ¼ column.

Automatic Hoist. Engineering, London, vol. 79, p. 248. ½ column. I.

Model Hoisting Arrangements, Standard Mines, Mount Pleasant, Pennsylvania. Coll. Engr., vol. 9, p. 119. 6 columns +. I.

Remarks on Winding Appliances and Round Wire Rope. By R. J. Frecheville. E. & M. J., vol. 37, p. 278, 2⅔ columns; p. 293, 1¾ columns.

Miller's Patent Hoisting Machine: Belt Instead of Rope. E. & M. J., vol. 5, p. 49. 2 columns. I.

Hoisting and Haulage in Mining Operations: A Description of the Plant of the Le Roi Mine, Rossland, British Columbia. By B. MacDonald. J. C. M. I., vol. 5, p. 309. 30 pages. I.

New Hoisting Machinery for the Comstock. Min. & Sci. Press, vol. 38, p. 56. 2½ columns.

Hoisting Engine for Yellow Jacket Shaft, Comstock Mines. Min. & Sci. Press, vol. 36, p. 6. ½ column.

The Yellow Jacket Hoisting Engines. Min. & Sci. Press, vol. 39, p. 168. 1¼ columns.

WINDING ENGINES ON THE RAND. Witwatersrand Gold Fields, p. 261. 8 pages.

WINDING ENGINES IN THE RAND MINES. Gold Mines of the Rand, p. 142. 1 page. I.

HOISTING MACHINERY ON THE RAND. Gold Mines of the Rand, p. 173. 5½ pages.

HOISTING ENGINES: Lake Superior Practice. M. & M., July, 1903, pp. 536 and 537.

HOISTING ENGINES FOR THE DOLCOATH MINE, CORNWALL: Traversing Hoist. E. & M. J., vol. 69, p. 470. 2 columns. I.

THE COMPOUND WINDING-ENGINE AT THE GREAT WESTERN COLLIERY COMPANY'S TYMAWR PIT: With Notes on Its Comparative Steam Economy. By H. Bramwell. T. F. I. M. E., vol. 12, p. 282. 11 pages. I.

COMBINED GRAVITY AND POWER HOIST: A Description of a Unique Plant for Transporting Coal at the Mines of the New Soddy Coal Company, Tennessee. By A. W. Evans. M. & M., vol. 19, p. 534. I.

A NEW WINDING ARRANGEMENT FOR MINES. Coll. Engr. & Met. Miner, vol. 17, p. 160. ¾ column.

HOISTING MACHINERY: The Methods of Hoisting Employed at Butte, Montana. By C. S. Herzig. Coll. Engr. & Met. Miner, vol. 17, p. 25. 4 columns.

A UNIQUE MINE-CAR HOIST. M. & M., vol. 27, p. 555. 1½ columns. I.

HOISTS AND HOISTING IN THE INTERIOR COAL FIELDS. By G. S. Rice. Min. Mag., Oct.-Nov., 1904, p. 264. 10 columns. I.

WINDING, BANKING OUT, AND SCREENING PLANT AT EAST HETTON COLLIERY. By S. Tate. T. F. I. M. E., vol. 1, p. 3. 8 pages. I.

HOISTING IN THE BUTTE COPPER MINES. M. & M., vol. 21, p. 155. 1 column.

HOISTING IN COPPER MINES AT BISBEE, ARIZONA. M. & M., vol. 27, p. 292. ⅔ column.

HOISTING ENGINES AND APPLIANCES IN MICHIGAN MINES. Sch. Mines Quart., vol. 20, p. 152. 5½ pages. I.

HOISTING ORE THROUGH A BORE-HOLE. E. & M. J., vol. 83, p. 153. ½ column.

HOISTING IN SMALL ZINC MINES IN WISCONSIN. By G. S. Brooks. E. & M. J., vol. 83, p. 379. 3½ columns.

HOISTS ON THE WITWATERSRAND, SOUTH AFRICA. Sch. Mines Quart., vol. 20, p. 384. 2 pages.

NOTES ON MINE HOISTING ENGINES. By Robt. Peele. Sch. Mines Quart., vol. 23, p. 105. 22 pages.

HOISTING IN THE MARQUETTE IRON RANGE. Sch. Mines Quart., vol. 3, p. 243. 3½ pages.

THE HOISTING PLANT OF THE LAKE MINE, ISHPEMING, MICHIGAN. By J. M. Vickers. T. L. S. M. I., vol. 3, p. 69. 6 pages. I.

PROBLEMS IN HAULING AND HOISTING. By A. Bowie. T. A. I. M. E., vol. 31, p. 265.

HOISTING PLANT AT THE NEWTON SLATE QUARRY, NEW JERSEY: Wire Rope Tramways. E. & M. J., vol. 71, p. 53. 1 column. I.

WINDING SHAFTS, DE BEERS MINES. Diamond Mines of South Africa, pp. 323–334.

LITCHFIELD HOISTING ENGINES AT DIVERNON MINE, FORMING PART OF MADISON COAL COMPANY'S NEW AND COMPLETE OUTFIT. M. & M., May, 1901, p. 462. 1½ columns.

HOISTING MACHINERY: The Method of Hoisting Employed at Butte, Montana. By Chas. S. Herzig. Coll. Engr. & Met. Miner, Aug., 1896.

WINDING ENGINES, DE BEERS MINES. Diamond Mines of South Africa, pp. 231, 523–534, 667, 668.

HOISTING ENGINE FOUNDATIONS: Importance of Suitable Construction even for Temporary Purposes; Various Methods of Building and Comparative Costs. By R. V. Norris. M. & M., July, 1904, p. 587.

A Method of Winding while Deepening a Shaft. M. & M., vol. 20, p. 15. 1 column. I.

Old and New Ways of Operating Inclined Shafts in Lodes, etc., Connecting Levels. Coll. Engr. & Met. Miner, vol. 14, p. 308. 1½ columns. I.

Winding of Minerals from Inclined Shafts. By R.. Crawford. T. I. M. E., vol. 28, p. 230. 5¼ pages. I.

A Mono-Rail Hoist in South Africa. Min. Mag., vol. 12, p. 226. 1 column.

Tests with Haulage System to Economize Air: Endless Rope System Driven by Duplex Cylinders. M. & M., vol. 25, p. 621. 2½ columns. I.

The Aerial Rail Hoist and Haulage System. By W. R. Crane. M. & M., vol. 26, p. 193. 5 columns. I.

Sherman Hoisting and Transferring Apparatus. Eng. News, 1893, vol. 1, p. 459.

Britt's Landing Cable Hoist and Quarry. By R. D. Seymour. J. W. Soc. E., June, 1897.

A Compound Winding-Engine. By W. Galloway. T. F. I. M. E., vol. 11, p. 207. 8 pages. I.

The Compound Winding Engine at Lumpsey Mine. By M. R. Kirby. T. I. M. E., vol. 29, p. 380. 12 pages. I.

Coal-Winding Machinery. By H. D. B. How. Min. Mag., Oct.-Nov., 1904, p. 302. 1 column.

Winding Engines. The Witwatersrand Gold-Fields, p. 261. 10 pages.

Winding Engines. By H. W. Hughes. Sch. Mines Quart., vol. 10, p. 258. 15 pages. I.

A Single-Engine Hoisting Plant. By T. F. Cole. T. L. S. M. I., vol. 4, p. 81. 2 pages. I.

Non-condensing Double-drum Winding Engine. Engineering, London, vol. 73, p. 504. ¾ column. I.

Horizontal Tandem (Twin) Winding Engine. Engineering, London, vol. 73, p. 813. 1 column. I.

Machine for Hoisting Mine Caps. By W. H. Mceller. E. & M. J., vol. 57, p. 489. 1¾ columns. I.

Winding Engines: Generally, and Particularly for Depths Exceeding 1,000 Feet with Parallel Drums. By W. J. Dam. M. & M., Apr., 1905, p. 426. 11 columns. I.

Hoisting Machinery. Machinery for Metalliferous Mines, pp. 75–94.

Types of Hoisting Engines and the Adaptability of Each: With Drawings Showing Some of the Standard Methods and Construction. By S. T. Nicholson. M. & M., July, 1904, p. 597.

Portable and Self-Contained Hoists. M. & M., July, 1904, p. 586.

A New Hoisting Engine. M. & M., Nov., 1902, p. 179. 1¼ columns.

English Winding Engines: Interesting Tabulation of Data Regarding Same. E. & M. J., vol. 20, p. 50. 2 columns.

Compounding in Winding Engines. Mech. Eng. of Coll., By T. C. Futers, p. 162. 2 pages.

Hoisting Equipment of a French Colliery. By L. Saclier. E. & M. J., vol. 78, p. 177. 6½ columns. I.

A Hoisting Device. E. & M. J., vol. 79, p. 1232. ¼ column. I.

The O'Neill Hoisting Engine: Post Brakes, etc. E. & M. J., vol. 34, p. 320. ½ column. I.

Winding Machinery. Coll. Engr., vol. 10, p. 96. 4⅓ columns.

Largest Hoisting Engines in the World. Min. & Sci. Press, vol. 72, p. 373. 2 columns. I.

Winding Engines for Mining Use. M & M., vol. 20, p. 429. 2½ columns. I.

A Remarkable Hoisting Engine. By G. S. Binkley. Min. & Sci. Press, vol. 78, p. 204. 3¼ columns. D.

WINDING ENGINES. P. C. M., vol. 3, p. 85. 23 pages. I.

NEW METHOD OF DESCENDING SHAFTS. E. & M. J., vol. 34, p. 348. ⅓ column.

A SINGLE BALANCED SKIP FOR LOWERING IN INCLINED WORKINGS. By S. A. Worcester. E. & M. J., vol. 83, p. 173. 10½ columns. I.

RAISING AND LOWERING MEN. E. & M. J., vol. 75, p. 517. 1¼ columns.

LOWERING OF MINERS IN MINE, SOUTH AFRICA: Primrose Mine. E. & M. J., vol. 64, p. 727.

Speed of Hoisting

SPEED OF HOISTING. Min. & Sci. Press, vol. 53, p. 231. Note.

THE MAXIMUM WINDING SPEED IN SHAFTS. By M. Georgi. T. I. M. E., vol. 28, p. 89. 8 pages.

RECORDS OF ELECTRICAL HOISTING. E. & M. J., vol. 81, p. 1243. Note.

SAFE SINK OF SHAFTS AT GREAT SPEED. T. I. M. & M., vol. 11, p. 221.

SELECTING AN ENGINE: Slow and Fast Speed Engines; Size, etc. By W. H. Wakeman. M. & M., vol. 20, p. 381. 2½ columns.

HOISTING: Time Required to Stop Trip. M. & M.. Jan., 1903, p. 285.

A REMARKABLE HOISTING RECORD. Coll. Engr., vol. 9, p. 222. ¼ column.

GOOD HOISTING RECORD. E. & M. J., vol. 78, p. 620. Note.

WINDING MACHINERY AND APPLIANCES. 2d Geol. Survey of Pa., A.C., p. 245. 26 pages.

Electric Hoisting

ELECTRIC MINE HOISTS. M. & M., Feb., 1902, p. 318. 2 columns.

AN ELECTRIC HOIST AT A FRENCH COLLIERY. E. & M. J., Jan., 19, 1905, p. 133. 4¼ columns. I.

CONSIDERATIONS ON STARTING OF ELECTRIC WINDING-ENGINES. T.I.M.E., vol. 28, p. 97. 10 pages.

ELECTRIC HOISTS IN NEVADA: Reasons for Use and Sizes. E. & M. J., vol. 82, p. 548. Note.

THE SIEMENS-ILGNER SYSTEM OF ELECTRICAL MINING HOISTS. By J. W. H. Hamilton. E. & M. J., vol. 82, p. 585. 14 columns. I.

LIST OF SIEMENS-ILGNER HOISTING ENGINE INSTALLATIONS IN EUROPE. E. & M. J., vol. 82, p. 589. Table.

ELECTRIC HOISTING AT GRANGESBERG, SWEDEN. By J. B. Van Brussell. E. & M. J., vol. 84, p. 1162. 9 columns. I.

THE ELECTRICAL DRIVING OF WINDING GEARS: Supplementary Note. By F. Hird. T. I. M. E., vol. 29, p. 392. 8½ pages. I.

ELECTRIC WINDING ENGINES IN FRANCE. By E. Loze. T. I. M. E., vol. 29, p. 556. 36 pages. I.

NOTES ON ELECTRIC POWER APPLIED TO WINDING IN MAIN SHAFTS. By W. C. Mountain. T. I. M. E., vol. 27, p. 142. 26 pages. I.

COMMERCIAL POSSIBILITIES OF ELECTRIC WINDING FOR MAIN SHAFTS AND AUXILIARY WORK. By W. C. Mountain. T. I. M. E., vol. 31, p. 329. 28 pages.

ELECTRIC HOISTS ON THE COMSTOCK. Min. & Sci. Press, vol. 83, p. 56.

ECONOMICAL LIMIT OF ELECTRIC HOISTING: A Maximum of 1000 Horsepower and Capacity of 2500 Tons per Day from Two Shafts 2190 Feet Deep. E. & M. J., vol. 80, p. 357. Note.

A MOTOR-DRIVEN HOIST. E. & M. J., vol. 76, p. 319. 1 column. I.

ELECTRICAL HOISTING. Rept. Census Office, Mines & Quarries, 1902, Chap. 3, p. 155. 2 columns. I.

ELECTRIC MOTOR-OPERATED HOISTS AND DERRICKS. By Hanford C. Judson. The Electrical Age, Mar., 1904.

Electrical Winding Engines: Discussion of Hoisting. By R. Herzfeld. Engineering, London, vol. 77, p. 214, 5 columns, I.; p. 297, 1 column.

Electrically-Driven Winding Engines. Engineering, London, vol. 74, p. 138. 3 columns. I.

The Electrical Driving of Winding-Gears. By F. Hird. T. I. M. E., vol. 25, p. 592. 20 pages. I.

Maltby Electric Plant: A Description of a Successful Electric Hoisting and Pumping Plant. By F. C. Whitmore. Coll. Engr. & Met. Miner, vol. 17, p. 281. 6 columns. I.

The Design of Hoisting Magnets. Min. & Sci. Press, vol. 75, p. 482. 3 columns. I.

Electrical Mining Hoists. By J. W. H. Hamilton. E. & M. J., vol. 82, p. 537. 10 columns. I.

An Induction-Motor Hoist. Min. & Sci. Press, vol. 93, p. 114, 1¾ columns; p. 227, ½ column.

Electric Power for Operating a Winding Engine. E. & M. J., vol. 59, p. 535. ½ column.

Electricity in Continental Mines: German Hoisting Plants. By C. S. Smith. M. & M., vol. 26, p. 200. 7 columns. I.

Electric vs. Compressed Air Hoisting. T. I. M. & M., vol. 11, p. 146.

Electric Mine Hoists. Min. & Sci. Press, vol. 81, p. 433.

Electrically Operated Hoisting Engines. By E. Guarini. Electrical Review, Oct. 8, 1904.
Min. Mag., Dec., 1904, p. 403. ¼ column.

Electric Hoisting Engine, Ilgner System. Min. Mag., Feb., 1905, p. 164.

Electrical Hoists. M. & M., July, 1904, p. 603.

The Westinghouse Variable Speed D. C. Motor, Type SA. E. & M. J., vol. 81, p. 471. 1½ columns. I.

Electric (Direct-Connected) Mine Hoists. E. & M. J., vol. 79, p. 944. 1 column+. I.

Electric Hoists at the Tiremande Colliery. M. & M., vol. 26, p. 109. 2½ columns, I.; p. 137, ¼ column.

An Electrically Operated Flat Rope Hoist. M. & M., vol. 26, p. 64. 2½ columns.

Electric Hoists: Some Examples of Electric Windlasses and Winding Engines as Made by Different German Manufacturers. By E. Guarini. M. & M., vol. 26, p. 233. 3 columns. I.

Electric Mine Hoists in Germany. E. & M. J., vol. 77, p. 886. 1⅔ columns.

Mine Power Stations and Electric Hoisting Engines. By G. P. Scholl. Min. Mag., vol. 12, p. 367. 26 columns. I.

Electricity or Steam for Hoisting. E. & M. J., vol. 77, p. 881. 1⅞ columns.

Electric Hoisting at the Noel-Sart-Culpart Collieries. By A. Gradenvitz. E. & M. J., vol. 81, p. 1095. 8 columns. I.

Electrical Winding. Mech. Eng. of Coll. By T. C. Futers, p. 226. 28 pages. I.

Effects of Acceleration on Winding Torques (Electrical Winding). By G. Ness. E. & M. J., vol. 83, p. 622. 7 columns. I.

Electric Winding Plant at a German Colliery. By A. Gradenwitz. E. & M. J., vol. 83, p. 718. 10½ columns. I.

Electrical Winding Plants. By A. Gradenwitz. E. & M. J., vol. 83, p. 238. 7 columns. I.

Electric Winding-Machines. By P. Habets. Engineering, London, vol. 79, p. 850. 14 columns. I.

Electric Hoists on the Comstock: A Description of the Four Large Machines Installed for Hoisting from Great Depths. By Leon M. Hall. M. & M., Oct., 1901, p. 126.

Electric Hoists on the Comstock. By L. M. Hall. Min. & Sci. Press, vol. 83, p. 56. 2 columns. I.

Electric Hoists on the Comstock. By L. M. Hall. E. & M. J., vol. 72, p. 140. 3 columns. I.

Electric Hoisting Engines. E. & M. J., vol. 77, p. 1033. 1¼ columns.

Means of Varying Speeds of Electric Motors, as for Hoisting Engines. Min. Mag., vol. 12, p. 371.

The Stow Multispeed Motor. M. & M., May, 1902, p. 449. 2 columns.

Pneumatic Hoisting

Air Hoist Table: Showing Diameter of Cylinder; Effective Area of Piston; Maximum Weight Lifted; Cubic Feet Free Air for 4 Feet Lift, etc. Min. & Sci. Press, vol. 73, p. 30. ½ column.

The Imperial Air-Motor Hoist. E. & M. J., vol. 83, p. 1091. ½ column. I.

Compressed Air Hoisting: Kinds of Hoists and Methods of Applying for Different Purposes. Reheating — Adapting Steam Apparatus for Use of Air. By J. S. Lane. M. & M., July, 1904, p. 618.

Atmospheric System for Working Mines. Min. & Sci. Press, vol. 39, p. 167. 1 column.

Pneumatic Hoisting. By H. A. Wheeler. T. A. I. M. E., vol. 19, p. 107.

Comparison of Cable with Pneumatic Hoisting. T. A. I. M. E., vol. 19, p. 115.

Pneumatic Compared with Cable Hoisting. E. & M. J., vol. 50, p. 453. 2¼ columns. I.

An Auxiliary Pneumatic Hoist. Min. & Sci. Press, vol. 78, p. 661. 3 columns. I.

Air-Hoist at Isabella Furnace. T. A. I. M. E., vol. 14, p. 148.

Hoisting by Water Power

The Pelton Water Wheel Hoist. Min. & Sci. Press, vol. 63, p. 343. ¼ column. I.

An Application of the Pelton Wheel to Hoisting. E. & M. J., vol. 75, p. 515. ⅔ column. I.

Pelton Wheel and Hoisting Plant. Machinery for Metalliferous Mines, p. 16.

Water Gin: Raising Coal by Water Wheel. T. N. S. I. M. & M. E., vol. 8, p. 87. I.

Reversible Water Power Hoisting Machinery. Min. & Sci. Press, vol. 32, p. 184. 1¾ columns.

A Simple Water-Hoisting Device. Min. & Sci. Press, vol. 53, p. 133. ⅔ column.

An Improved Universal Suspended Hydraulic Lift. By J. A. Herrick. T. A. I. M. E., vol. 7, p. 303.

Gas and Oil Hoisting Engines

Heavy-Duty Gas Hoists. E. & M. J., vol. 84, p. 916. 2 columns. I.

A Gasoline Hoisting Plant. Min. & Sci. Press, vol. 82, p. 220. 2 columns. I.

A Double Drum Gasoline Hoist. M. & M., vol. 21, p. 370. 1 column. I.

Gas Engine Hoists for Small Mines. E. & M. J., vol. 62, p. 387. ⅓ column.

Gas or Liquid-Fuel Hoisting Engines: Their Economy as Compared with Steam Engines; Some of the Materials which May be Used as Fuels. By E. W. Roberts. M. & M., July, 1904, p. 629.

Notes on a Winding and Pumping Plant Driven by an Oil Engine. By Ll. Parker. T. I. M. & M., vol. 9, p. 425. 7 pages.

Deep Winding

Winding Plants for Great Depths. By H. C. Behr. T. I. M. & M., vol. 11, p. 1. 435 pages. I.

Hoisting and Equipment for Deep Shafts. E. & M. J., vol. 82, p. 451. Note.

WINDING PLANTS FOR GREAT DEPTHS. Min. & Sci. Press, vol. 86, p. 119, 2⅓ columns; p. 168, 1⅓ columns.

DEEP WINDING. Min. & Sci. Press, vol. 87, p. 21. ⅓ column.

DEEP HOISTING IN THE MINES OF THE RAND. By J. B. Carper. Min. & Sci. Press, vol. 89, p. 412. 1⅔ columns.

RAISING COAL FROM DEEP SHAFTS. Min. & Sci. Press, vol. 47, p. 118. ½ column.

DEEP MINE HOISTING. Min. & Sci. Press, vol. 13, p. 401. 3 columns.

WINDING PLANTS FOR GREAT DEPTHS: Advantages and Disadvantages of Different Methods of Stage Winding Compared with Direct Hoisting. By Hans C. Behr. M. & M., Sept., 1902, p. 73. 9½ columns.
T. I. M. & M., London, May 15, 1902.

DEEP HOISTING IN SOUTH AFRICA. Conditions which Necessitate Deep Shafts. Some of the Devices Recommended and Plants which Have Been Installed. By J. S. Lane. M. & M., July, 1904, p. 594.

HOISTING FROM DEEP SHAFTS. By L. Paussigue. E. & M. J., vol. 71, p. 304. 4½ columns. I.

DEEP HOISTING IN THE LAKE SUPERIOR DISTRICT: Some of the Engines Used to Hoist from a Depth of over 4900 Feet. By O. P. Hood. M. & M., July, 1904, p. 614.

HOISTING FROM GREAT DEPTH. E. & M. J., vol. 78, p. 953. ¾ column.

CONCLUSIONS REGARDING KIND AND EQUIPMENT OF HOISTING PLANTS FOR DEEP MINING. T. I. M. & M., vol. 11, p. 426.

WINDING PLANTS FOR GREAT DEPTHS. By Hans C. Behr. T. I. M. & M., vol. 11, p. 1. 434 pages. 1 page. I.

HOISTING FROM DEEP SHAFTS. By W. McDermott. T. I. M. & M., vol. 4, p. 275.

HOISTING FROM GREAT DEPTH. By R. Peele. E. & M. J., vol. 75, p. 516. 6½ columns.

TRAVERSING WINDING ENGINE FOR DEEP SHAFTS. By H. M. Morgans. T. I. M. & M., vol. 12, p. 465. 14 pages. I.

WINDING GEAR FOR DEEP SHAFTS. Engineering, London, vol. 73, p. 686. 2½ columns.

Counterbalancing in Hoisting

CURVED-LINKS IN REVERSING GEAR FOR USE AS A VALVE-GEAR IN EQUALIZING LOAD ON ENGINE. M. & M., Mar., 1905, p. 414.

BALANCING HOISTING ENGINES. E. & M. J., vol. 67, p. 172. 1 column.

SUGGESTED IMPROVEMENTS IN AMERICAN HOISTING PRACTICE: By Counterbalancing the Dead Load; By Using a Smaller Factor of Safety for the Rope; By the Use of the Best Material for the Rope. T. A. I. M. E., vol. 19, p. 123.

THE EQUALIZATION OF LOAD ON WINDING-ENGINES BY THE EMPLOYMENT OF SPECIAL DRUMS. By E. M. Rogers. T. A. I. M. E., vol. 17, p. 305.

MORGAN'S TRAVERSING WINDING ENGINE. Mech. Eng. Coll., C. T. Futers, p. 215. 6 pages. I.

TRAVERSING WINDING ENGINE FOR DEEP SHAFTS. By H. M. Morgans. T. I. M. & M., vol. 12, p. 465. 16 pages. I.

TRAVERSING WINDING ENGINE FOR DEEP SHAFTS: Description of a Plant in which many of the Difficulties of Deep Winding are Avoided. By H. M. Morgans. M. & M., Sept., 1903, p. 62. 6½ columns. I.

A COUNTERBALANCED HOIST. T. A. I. M. E., vol. 26, p. 333.

NEW METHOD OF BALANCING ROPE. Glückauf, 1898, p. 52.

BALANCED AND UNBALANCED HOISTS: A Comparison of the Different Types and the Relative Economies of Various Methods. By E. T. Sederholm. M. & M., July, 1904, p. 577.

COUNTERBALANCING IN ENGLAND. E. & M. J., vol. 24, p. 68. 1½ columns.

LANSELL'S MINING BALANCE (for Hoisting): Chains of Different Size Suspended from Drum and as They Descend are Caught in Pocket in Shaft. Min. & Sci. Press, vol. 62, p. 313, 4 columns, I.; p. 393, ½ column, I.

A PENDULUM HOIST. Min. & Sci. Press, vol. 53, p. 405. ½ column. I.

COUNTERBALANCING WINDING ENGINES. P. C. M., vol. 3, p. 103. 6 pages. I.

COMPENSATING DEVICES IN HOISTING. T. I. M. E., vol. 28, p. 92. 2 pages.

THE PROBLEM OF THE DYNAMIC BALANCE (in Hoisting). By E. H. Roberton. T. I. M. E., vol. 28, p. 557. 20 pages. I.

COUNTERBALANCING IN HOISTING ENGINES. Mech. Eng. Coll., C. T. Futers, p. 155. 8 pages. I.

HOISTING MACHINERY: Description of a Proposed Modification of the Koepe System. By W. M. Morris. Coll. Engr. & Met. Miner, vol. 16, p. 269. 2¼ columns. I.

PECULIARITIES OF KOEPE HOISTS. T. I. M. & M., vol. 11, p. 179. Table.

NOTES ON THE KOEPE SYSTEM OF WINDING. By J. Gregory and J. T. Stobb. T. I. M. E., vol. 18, p. 450. 7 pages. I.

NOTE ON THE KOEPE SYSTEM OF WINDING FROM SHAFTS. By J. H. Harden. T. A. I. M. E., vol. 17, p. 429.

THE ADVANTAGES AND DISADVANTAGES OF THE KOEPE WINDING SYSTEM. E. & M. J., vol. 34, p. 323. ¾ column.

THE KOEPE SYSTEM OF COLLIERY WINDING. E. & M. J., vol. 33, p. 119. 1 column.

IMPROVED WINDING GEAR FOR MINES: Modified Koepe System. Min. & Sci. Press, vol. 45, p. 49. 1 column. I.

KOEPE SYSTEM. Glückauf, 1901, p. 258.

KOEPE SYSTEM: First Note of Invention. E. & M. J., vol. 27, p. 181. Note.

LIST OF PARTICULAR FEATURES OF KOEPE HOISTS. T. I. M. & M., vol. 11, p. 179. Table.

ATTACHING THE ROPE TO KOEPE HOISTING MACHINES (German). Glückauf, 1903, pp. 55, 829.

EQUALIZATION OF LOAD DUE TO ROPE. Sch. Mines Quart., vol. 10, p. 260.
M. & M., July, 1904, p. 577.
Revue Universelle des Mines, Apr., 1902 (Deschamps).

USE OF TAPER ROPES IN HOISTING. T. I. M. & M., vol. 11, pp. 151, 172, 203, 268, 407.

LINDENBERG'S ROPE BALANCE AT THE MONOPOL MINE AT CAMEN. Glückauf, 1894, p. 1799.

THE ADOPTION OF A BALANCE-ROPE AT HYLTON COLLIERY. By T. E. Parrington. T. I. M. E., vol. 26, p. 294. 6¾ pages. I.

TAIL- OR BALANCED-ROPE HOISTS IN SHAFTS IN THE ANTHRACITE REGIONS OF PENNSYLVANIA: A Description of the Poore System. By Arthur H. Storrs. M. & M., July, 1904, p. 609.

TAIL-ROPES (Used in Winding). Min. & Sci. Press, vol. 62, p. 392. ½ column. I.

USE OF TAIL-ROPE IN HOISTING. E. & M. J., vol. 75, p. 517. 1⅓ columns.

THE WHITING SYSTEM OF HOISTING. Mech. Eng. Coll., C. T. Futers', p. 212. 1½ pages. I.

WHITING HOISTS: Pros and Cons. T. I. M. & M., vol. 11, pp. 191, 193, 196.

OBJECTIONS TO USE OF WHITING HOIST. T. I. M. & M., vol. 11, p. 193.

The Water-Balance (Hoisting). Min. & Sci. Press, vol. 47, p. 216. ½ column.

Water Balance in Hoisting. Min. & Sci. Press, vol. 30, p. 336. ⅓ column.

Winding by Water-Balance at Ynis Merthyr Colliery. By M. W. Davies. T. F. I. M. E., vol. 3, p. 746. 3 pages. I.

Overwinding and Its Prevention

Precautions in Overwinding. Min. & Sci. Press, vol. 88, p. 150. ⅔ column.

Prevention of Overwinding. Coll. Engr., vol. 10, p. 233, 1¼ columns, I.; p. 273, ½ column.

On Overwinding and Its Prevention. By A. Bertram. T. F. I. M. E., vol. 1, p. 55. 5 pages. I.

A Patent Apparatus, Indicator, and Valves for the Automatic Prevention of Overwinding at Mines. By C. H. Cobbold. T. F. I. M. E., vol. 1, p. 61. 8 pages. I.

Apparatus for the Prevention of Winding and Overwinding Accidents at Collieries and Blast Furnaces. By Wm. Grimmitt. T. F. I. M. E., vol. 2, p. 243. 6 pages.

A Safety Appliance for Hoisting Engines at Mines. E. & M. J., vol. 54, p. 535. ½ column. I.

Cross' Electric Indicator and Overwinding Alarm. Min. & Sci. Press, vol. 63, p. 301. 1 column. I.

An Electric Safety-Apparatus for Cages. By J. Yates. T. F. I. M. E., vol. 2, p. 362. 5 pages.

Electric Safety Stop Apparatus for Hoisting Engines. By A. Gradenwitz. Min. Reporter, Oct. 13, 1904.
Min. Mag., Oct.-Nov., 1904, p. 296. 1 column.

Mechanical Devices to Prevent Overwinding. Mech. Eng. Coll., C. T. Futers, p. 254. 8 pages. I.

Hydraulic Safety Appliance for the Prevention of Overwinding. By R. A. Henry. Min. & Sci. Press, vol. 88, p. 179. ½ column. I.

Safety Devices in Hoisting. Min. & Sci. Press, vol. 88, p. 196. ½ column.

The Nicholson Automatic Engine-Stop: To Prevent Overwinding. By R. H. Nicholson. E. & M. J., vol. 81, p. 753. 5½ columns. I.

Nicholson's Controlling Device for Automatically Stopping a Steam Hoist when the Cage Passes a Given Point. M. & M., vol. 26, p. 264. 2 columns. I.

Safety Hoisting Apparatus. Min. & Sci. Press, vol. 28, p. 115. ⅓ column.

Safety Hoisting Apparatus. E. & M. J., vol. 6, p. 321. ½ column. I.

A Safety-Device for Mine Hoisting. E. & M. J., vol. 15, Supplement. I.

Safety-Devices. E. & M. J., vol. 24, p. 68. ⅓ column.

Hydraulic Apparatus to Prevent Overwinding. E. & M. J., vol. 77, p. 518. 1 column. I.

Mechanism for Preventing Overwinding in Collieries. E. & M. J., vol. 52, p. 474. ⅓ column.

Device to Prevent Overwinding. E. & M. J., vol. 80, p. 457. ⅔ column.

The Karlik-Witte Safety Stop Apparatus for Hoisting Engines. M. & M., vol. 26, p. 62. 2 columns. I.

A Safety Appliance for Hoisting Engines. E. & M. J., vol. 73, p. 356. 2 columns. I.

An Automatic Safety-Controller. M. & M., Apr., 1903, p. 416. 1½ columns.

A New Safety Device for Mine Hoisting. E. & M. J., vol. 80, p. 598. 1 column.

Overwinding Device for Hoisting Engines. M. & M., Feb., 1902, p. 295. 1 column.

Detaching-Hooks. P. C. M., vol. 3, p. 130. 7 pages. I.

Detaching Hooks. Mech. Eng. Coll., C. T. Futers, p. 265. 6 pages. I.

Note on Safety Hook. By A. L. Collins. T. I. M. & M., vol. 4, p. 249.

The Walker Detaching Hook. E. & M. J., vol. 55, p. 249. I.

A Detaching-Hook Used at the Sinking Pit of the Old Oaks Colliery. By E. W. Thirkell. T. F. I. M. E., vol. 8, p. 294. 1 page. I.

Detaching Hooks in Hoisting. M. & M., May, 1902, p. 478.

The King's Safety Catch (Detaching Hook). T. N. S. I. M. & M. E., vol. 1, p. 135. 1½ pages. I.

Bryham's Self-Acting Detaching Hook. T. N. S. I. M. & M. E., vol. 1, p. 154. I.

Walker's Patent Detaching Hook for the Prevention of Overwinding. By Wm. Hall. T. N. S. I. M. & M. E., vol. 2, p. 44. 6 pages. I.

Omerod's Patent Safety Link (Detaching Hook). T. N. S. I. M. & M. E., vol. 2, p. 54. ¾ page. I.

Hoisting Buckets, Methods of Dumping, etc.

The Ludlow Coal Bucket. E. & M. J., vol. 52, p. 11. ½ column. I.

A Self-Dumping Bucket. Min. & Sci. Press, vol. 79, p. 93. 1½ columns. I.

Automatic Bucket Dumping Devices. Min. & Sci. Press, vol. 91, p. 40. 1½ columns. I.

A Sinking Kibble: English. Mech. Eng. Coll., vol. 1, p. 35. I.

Automatic Dumping Device. Min. & Sci. Press, vol. 85, p. 74. 1¼ columns. I.

Dumping a Sinking Bucket. M. & M., vol. 26, p. 29. 1 column. I.

Coal Mining Kibble. P. C. M., vol. 2, p. 170. Note. I.

Circular Dumping Cage. E. & M. J., vol. 44, p. 449. ½ column. I.

Cradle-Tip or Dumping Cars. 2d Geol. Surv. Pa., A.C., p. 456. I.

Buckets for Hoisting and Bailing: Iron. Univ. Geol. Sur. of Kans., vol. 8, pp. 251 and 253. 3 pages. I.

Self-dumping Bucket for Incline Shafts. Min. & Sci. Press, vol. 80, p. 320. ½ column. I.

Leather Buckets and Capachos. E. & M. J., vol. 75, p. 447. I.

An Ore-Bucket for Inclined Shafts. By A. L. Black. Sch. Mines Quart., vol. 15, p. 47. 2 pages. I.

Cure for Spinning of Bucket. M. & M., Feb., 1905, pp. 345, 347.

Peculiar System of Hoisting by Buckets by Mule Power on the Rand. T. N. S. I. M. & M. E., vol. 10, page opposite 153. Fig. 20. I.

Windlasses and Whims for Hoisting

On an Improved Form of Mining Windlass. By G. P. Ashmore. T. I. M. & M., vol. 12, p. 229. 8 pages. I.

Hand-Windlass for Prospecting. Min. & Sci. Press, vol. 79, p. 516. ¾ column. I.

The Mine Windlass: Design and Calculation of. E. & M. J., vol. 24, p. 45. Notes. I.

The Hand Windlass. Min. & Sci. Press, vol. 73, p. 189. I.

Hand Windlass as Used in the Coal Mines of China. T. A. I. M. E., vol. 30, p. 266. Fig. 5.

Construction of Windlass Used with a "Buggy Breast." M. & M., vol. 19, p. 469. I.

An Improved Form of Mine Windlass. By G. P. Ashmore. E. & M. J., vol. 75, p. 447. 2 columns. I.

Mine Windlass, England. E. & M. J., vol. 24, p. 45. ½ column. I.

Hoisting in Preliminary Mining Operations: Windlass and Whim. M. & M., July, 1904, p. 600. 1½ columns. I.

Temporary Whim for Hoisting. By G. C. Stotz. E. & M. J., vol. 83, p. 1133. 1¾ columns. I.

An Ingenious Hoist: Change from a Horse Whim to a Gasoline-driven Hoist. Min. & Sci. Press, vol. 93, p. 57. ½ column. I.

A Horse-Power Hoisting Machine: Horse Whim. Min. & Sci. Press, vol. 48, p. 33. 1½ columns. I.

The Davis Horse-Power Hoisting Whims: Data. Min. & Sci. Press, vol. 58, pp. 313, 320. 1 column. I.

Baker's Mining Horse-Whim. Min. & Sci. Press, vol. 46, p. 121. 1 column. I.

Horse-Whim. Min. & Sci. Press, vol. 36, p. 257. 1½ columns. I.

The "Whipsey-Derry" and Horse Whims. E. & M. J., vol. 24, p. 46. ½ column.

The Davis Horse-Power Hoisting Whim. E. & M. J., vol. 48, p. 98. ½ column. I.

A Mexican Malacate or Horse-Whim. Min. & Sci. Press, vol. 94, p. 187. I.

The Mexican Malacate. By J. N. Nevins. E. & M. J., vol. 74, p. 410. 3 columns. I.

Cages for Hoisting

Load per Square Foot (Mine Cages, etc.). Min. & Sci. Press, vol. 66, p. 200. ⅓ column.

Russell and Parson's Automatic Dumping Cage. Coll. Engr., vol. 13, p. 164. 1 column. I.

Anthracite Coal-Tipping Cage. E. & M. J., vol. 34, p. 346. 1 column. I.

An Improved Safety-Cage. Coll. Engr., vol. 10, p. 66. 1 column. I.

Cages in French Colliery. E. & M. J., vol. 78, p. 178. ¼ column. I.

Slope Carriage, Pennsylvania (Construction of). 2d Geol. Survey Pa., A.C., pp. 198, 249, 255. 2 pages. I.

An Automatic Cage. M. & M., vol. 28, p. 99. I.

Self-Dumping Cage in Pennsylvania Coal Mines. Rept. Inspr. Mines, Pa., 1878, p. 101.

Automatic Cages, Wood and Steel: Pennsylvania Coal Regions. 2d Geol. Surv., Pa., A. C. pl. XI, Atlas. I.

Hoisting Cage with Self-adjusting Bottom. Min. & Sci. Press, vol. 23, p. 409. 1⅓ columns, I.

Double-Deck Cage (Detailed Construction). Also Single-Deck Cages. Mech. Eng. Coll., C. T. Futers, Figs. 546, 537, p. 274. 6 pages. I.

Cage Construction. E. & M. J., vol. 81, p. 410 +. I.

Electric Mine Cage (Motor Cage). Min. & Sci. Press, vol. 72, p. 441. 2½ columns. I.

Cage-Lowering Tables at New Moss Colliery. By T. H. Wordsworth. T. I. M. E., vol. 33, p. 174. 4¼ pages. I.

Cages. P. C. M., vol. 3, p. 126. 3 pages. I.

A Novel Double-Decked Man Cage. By C. Trezona. M. & M., vol. 27, p. 169. 2 columns. I.

Use of Dummy Cages in Loading and Unloading Multiple Deck Cages. Mech. Eng. Coll., C. T. Futers, p. 302. 4 pages. I.

Cage for Inclined Shaft (Construction of). T. L. S. M. I., vol. 9, p. 31. I.

Self-Oiling Skip Axle-Box. T. L. S. M. I., vol. 9, p. 30. I.
M. & M., vol. 24, p. 129. I.

Slope-Carriage for Coal Cars. T F. I. M. E., vol. 14, plate 20.

LEHIGH AND WILKES-BARRE COAL COMPANY'S STANDARD MINE SHAFT-CAGE. Coll. Engr. & Met. Miner, vol. 16, p. 176. I.

AN IMPROVED HOISTING BARNEY. By P. Hartman. M. & M., vol. 19, p. 323. ½ column. I.

SAFETY-CAGES. T. I. M. E., vol. 35, p. 152. 2½ pages.

A NEW SAFETY MINE CAGE. E. & M. J., vol. 83, p. 1009. ⅞ column.

SAFETY CAGES. By F. W. Parsons. E. & M. J., vol. 82, p. 162. 1¼ columns.

IMPROVED SAFETY HOISTING CAGE. Min. & Sci. Press, vol. 26, p. 89. 1¼ columns. I.

IMPROVED AUTOMATIC SAFETY CAGE. Min. & Sci. Press, vol. 26, p. 113. 1 column. I.

SAFETY SINKING CAGE. Min. & Sci. Press, vol. 75, p. 600. ½ column. I.

CAGE AT ORIGINAL MINE, BUTTE. E. & M. J., vol. 81, p. 466. I.

LOWER DECK CAGE AT ORIGINAL MINE. E. & M. J., vol. 81, p. 463. I.

MINE SAFETY CAGES. E. & M. J., vol. 24, p. 68.

A SAFETY-CAGE FOR MINES AND HOISTS. By J. Whitelow. T. F. I. M. E., vol. 3, p. 728. 8 pages. I.

THE MOUSTIER SAFETY-CAGE. M. & M., vol. 18, p. 501. 1 column. I.

CULVER'S SAFETY HOISTING CAGE. Rept. Inspr. Mines, Pa., 1873, p. 202. I.

TESTS ON SAFETY CATCHES. Rept. Inspr. Mines, Pa., 1873, p. 207. 2 pages.

THE HANLEY CAGE GUARDIAN. By A. Hanley. T. I. M. E., vol. 33, p. 164. 2½ pages. I.

FENCE-GATES FOR PIT-CAGES. By W. H. Pickering. T. I. M. E., vol. 35, p. 271. 14½ pages.

ARRANGEMENT OF CAGES IN ROUND SHAFTS. T. I. M. E., vol. 27, p. 202. I.

NEW KING-BOLT AND SADDLE-PLATE. E. & M. J., vol. 83, p. 1152. ½ column. I.

CAGE HOODS. E. & M. J., vol. 81, p. 285. Note.

Skips for Raising Minerals

"SKEET," AN AUTOMATIC DUMPING SKIP, FIRST USED ON THE COMSTOCK. Min. & Sci. Press, vol. 89, p. 354. Note.

THE "SKIP" WAS FIRST USED AT THE COMBINATION SHAFT, VIRGINIA CITY. Min. & Sci. Press, vol. 36, p. 6. Note.

A STEEL SKELETON TIMBER SKIP. By J. P. Cosgro. Min. Mag., Feb., 1905, p. 144. 2 columns. I.

SKIPS WITH SAFETY CATCHES, ROSSLAND, BRITISH COLUMBIA. M. & M., vol. 21, p. 365. 1 column. I.

COAL-SKIP USED IN CHINA. T. A. I. M. E., vol. 16, p. 105.

MINING SKIP AT THE ATLANTIC MINE, LAKE SUPERIOR. T. A. I. M. E., vol. 6, p. 296.

WINDING APPLIANCES: Skips, Cages, and Buckets; Skips, p. 246; Cages, p. 257; Dogs and Gates, p. 258; Rails, Guides and Pulleys, p. 259; Ropes, p. 260; Winding Engines, p. 261; Considerations in Winding, p. 266. The Witwatersrand Gold-Fields.

SKIPS VS. CAGES. Min. & Sci. Press, vol. 86, p. 360. 1½ columns.

SKIPS, CAGES AND BUCKETS ON THE RAND. Witwatersrand Gold-Fields, p. 244. 14 pages. I.

THE LAWRENCE-OLIVER SKIP. By F. Oliver. E. & M. J., vol. 82, p. 822. ¾ column. I.

SKIP STOP IN SHAFT. M. & M., vol. 27, p. 179. 1 column. I.

SKIP HOISTING. By S. A. Worcester. E. & M. J., vol. 82, p. 387. 4½ columns. I.

Hoisting by Skip in the New York Hematite Mines. E. & M. J., vol. 82, p. 554. ¾ column.

Hoisting by Skip, Rossland, British Columbia. Min. & Sci. Press, vol. 90, p. 117. ⅓ column.

An Underground Skip-Hoisting Plant. By S. A. Worcester. E. & M. J., Mar. 2, 1905, p. 415. 1 column. I.

Kimberley Skip as Used at Kimberley. The Diamond Mines of South Africa, p. 327. I.

Vertical Skip Construction. E. & M. J., vol. 84, p. 821. I.

Vertical Skip-Construction. T. A. I. M. E., vol. 25, p. 776.

Skip (Steel) Construction: Weight, Capacity, Size, etc. (Lake Superior). E. & M. J., vol. 78, p. 825. I.

Gunboats or Skips in Pennsylvania Mines. 2d Geol. Survey, Pa., A.C., p. 253. 2½ pages. I.

Details of Ore Skip (Vertical) for Original Mine, Butte, Montana. E. & M. J., vol. 81, p. 464. I.

Lower Deck Cage at Original Mine. E. & M. J., vol. 81, p. 463. I.

Construction of Coal Skip or Gunboat. T. A. I. M. E., vol. 19, pp. 434, 437.

Skip Construction. J. C. M. I., vol. 5, p. 464.

Skip Construction with Safety-Catches, at Rossland, British Columbia. Also Timbering and Guides for Skip. M. & M., vol. 21, p. 365. I.

Timber Skip, Rossland, British Columbia. M. & M., vol. 21, p. 366. I.

Self-Dumping Skip: Curve of Dump Rail, etc. Min. & Sci. Press, vol. 93, p. 88. ¼ column. I.

A Steel Self-Dumping Skip. By I. John. E. & M. J., vol. 72, p. 165. 1 column. I.

Self-Righting Mine Skip. Min. & Sci. Press, vol. 80, p. 178. ½ column. I.

Arrangement of Rails for Skip Dumping. E. & M. J., vol. 81, p. 1030. I.

Removing Skip Boxes from Frames. By F. T. Williams. M. & M., July, 1904, p. 593.

Method of Holding Skip on Track at Station while Loading (Lake Superior). E. & M. J., vol. 78, p. 826.

The Skip-Cage Changing Device of Diamond Mine, Butte, Montana. By P. A. Gow. M. & M., vol. 28, p. 284. 2 columns. I.

Appliances to Allow Rapid Change in Bailers, Skips, etc., in Shafts. Min. & Sci. Press, vol. 87, p. 147. Note.

Changing Ore Skip and Man Car: Device. By W. F. Slaughter. M. & M., vol. 27, p. 410. 1 column. I.

Handling Skips and Man Cages. M. & M., vol. 27, p. 231. 3 columns. I.

Brakes for Hoists

Patent Brakes for Colliery Winding Drums. T. N. S. I. M. & M. E., vol. 6, p. 53. 5 pages. I.

Brakes for Winding Engines. P. C. M., vol. 3, p. 94. 4 pages. I.

Wood-Lagged Post Brakes: O'Neill's. E. & M. J., vol. 34, p. 321. ⅓ column. I.

Hoisting: Force of Brake. M. & M., Nov., 1902, p. 188.

Hoisting-Engine Brakes: Different Kinds; Methods of Operating Them and the Principles Governing Their Construction and Action. By J. S. Lane. M. & M., July, 1904, p. 583.

Steam Brake for Winding Engines. E. & M. J., vol. 13, p. 42. ½ column.

Brakes for Winding Drums. M. & M., vol. 20, p. 523. 2 columns. I.

Brake for Winding or Haulage: Brake Block with Holes Filled with Sand. Min. & Sci. Press, vol. 45, p. 33. 2 columns. I.

Brakes for Winding Engines. Mech. Eng. Coll., C. T. Futers, Figs. 384, 419, 422, 426. I.

Paper vs. Wood and Iron Friction Wheels for Hoisting-Engines. By A. Falkenan. E. & M. J., vol. 33, p. 290. 1 column.

Drums and Sheaves

Calculation of Diameters of Conical Drums. M. & M., vol. 18, p. 330. I.

Ratio of Ends of Drums for Varying Depths. T. I. M. & M., vol. 11, p. 306.

Limit of Depth for Cylindrical Drums. T. I. M. & M., vol. 11, p. 305.

For Design and Data Regarding Different Forms of Drums and Hoisting Arrangements. T. I. M. & M., vol. 11. Plates.

Weight of Winding-Drums for Deep Shafts. By D. Burns. T. I. M. E., vol. 20, p. 49. 6 pages. I.

How Does the Fusee or Conical Drum Work? Coll. Engr., vol. 12, p. 258. 1¾ columns. I.

Calculations of Drums, Especially Conical Drums. M. & M., vol. 18, p. 276. 2½ columns. I.

Winding Engine Drums. P. C. M., vol. 3, p. 85. 19 pages. I.

Hoisting Ropes and Drums: Relation between Them. Min. & Sci. Press, vol. 46, p. 328. 1 column+.

Practical Difficulties of Employing Conical Drums for very Deep Shafts. E. & M. J., vol. 75, p. 517. ½ column.

Large Hoisting-Drums of the Calumet and Hecla Company. E. & M. J., vol. 39, p. 109. ½ column.

Fitting a New Drum-Shaft to a Winding-Engine, Florence Colliery, Longton. By C. V. Gould. T. I. M. E., vol. 22, p. 250. 4 pages.

Conical-Drum Winding Engine. Engineering, London, vol. 74, p. 607. 1½ columns. I.

Difference in Action in Hoisting with Large and Small Drums. T. I. M. & M., vol. 11, p. 362.

New Shaft Equipment at "Aurora" Mine, Ironwood, Michigan: A New Arrangement of Drum for Hoisting from Different Levels. M, & M., vol. 19, p. 315. 2 columns. I.

A Differential Drum for Mine Work. E. & M. J., vol. 68, p. 665. ⅔ column. I.

The Atlantic Mine Hoisting Drum. E. & M. J., vol. 68, p. 733. Note. I.

Hoisting Drums: Metal-Grooved *vs.* Wood-Logged Drums; The Good and Bad Points of Each; Methods of Construction. By H. L. Auchmuty. M. & M., Aug., 1904, p. 37. 3 columns. I.

Spiral or Conical Drums: Theory of and Calculations of Curve of Surface. By E. M. Rogers. T. A. I. M. E., vol. 17, p. 306.

Cylindrical vs. Conical Drums. By F. Moeller. M. & M., July, 1904, p. 601.

Drums vs. Reels for Hoisting: Different Types of Drums; Some Points in Regard to Reel Hoists and Flat Ropes. By F. F. Coleman. M. & M., July, 1904, p. 622.

Tandem Drums to Avoid Fleeting of the Rope. M. & M., vol. 20, p. 524. 1 column. I.

Proper Diameter for Drum and Sheave. M. & M., vol. 20, p. 352. ½ column.

Flat Disk Reel with Endless Rope at the Monopol Mine. Glückauf, 1898, p. 640.

Design of Sheaves and Drums for Wire Rope. By S. Diescher. P. E. Soc. W. Pa., vol. 19, p. 385. 9 pages.

Sheaves: How to Reduce Friction. Min. & Sci. Press, vol. 43, p. 329. 1 column.

Size of Sheaves (Pulleys) when Chains are Used. E. & M. J., vol. 82, p. 882. Note.

Indicators for Hoists

Whiting Hoist Indicator. T. I. M. & M., vol. 11, plate 37. I.

An Instrument for the Automatic Record of Winding-Operations. By W. N. Drew. T. I. M. E., vol. 22, p. 42. 4 pages. I.

Winding Indicator and Safety Hook. Min. & Sci. Press, vol. 62, p. 369. 2 columns. I.

Safety Indicator for Shafts. Min. & Sci. Press, vol. 50, p. 221. 2 columns. I.

Shaft-Bottom Layouts

Laying Out Shaft-Bottoms. Coll. Engr. & Met. Miner, vol. 17, p. 188. 3 columns.

Arrangement of Shaft Bottom. Min. Mag., vol. 13, p. 185. I.

A Convenient Shaft-Bottom Landing. M. & M., vol. 19, p. 33. 2¼ columns. I.

Arrangement of Shaft-Bottom. M. & M., vol. 21, p. 314. 1 column. I.

General Arrangement of Shaft Bottoms. M. & M., vol. 21, p. 331. 3 columns. I.

Shaft-Bottom Arrangements, Oliver Mine No. 1, Uniontown, Pennsylvania. Coll. Engr., vol. 13, p. 174. I.
M. & M., vol. 26, p. 250. I.

Shaft Bottom at First Pool Mine No. 2. E. & M. J., vol. 81, p. 516. I.

Arrangement of Pit-Bottom at Plymouth Works, Pennsylvania. Coll. Engr., vol. 9, p. 215. I.

Plan of Shaft-Bottom, Reynoldsville, Pennsylvania, Coal Mines. Coll. Engr., vol. 14, p. 150. I.

Arrangement of Shaft-Bottom. M. & M., vol. 20, p. 106. I.

Shaft-Bottom at Henry Colliery. E. & M. J., vol. 77, p. 278. I.

Shaft-Bottom Arrangement. E. & M. J., vol. 64, p. 487. I.

Bottom of Coal Shaft. E. & M. J., vol. 71, p. 362. I.

Shaft-Bottoms. T. F. I. M. E., vol. 11, plate 30; vol. 12, plate 15.

Arrangements of Shaft-Bottom at Peton Colliery, England. T. I. M. E., vol. 20, plate, 8.

Arrangement of Shaft-Bottom at Standard Mines, Mount Pleasant, Pennsylvania. Coll. Engr., vol. 9, p. 119. I.

Plan of Shaft-Bottom, France. E. & M. J., vol. 78, p. 177. I.

Safety Catches for Mine Cages

Safety Catches. M. & M., vol. 28, p. 99. I.

Safety Catches for Cages. E. & M. J., vol. 80, p. 75. 1¼ columns.

Safety Catches for Mine Cages. By E. M. Heriot. E. & M. J., vol. 80, pp. 100, 176. 5¾ columns. I.

Tests with Safety Catches, Pennsylvania. E. & M. J., vol. 79, pp. 1061, 1247.

Testing Mine Cages. E. & M. J., vol. 79, p. 911. 2½ columns.

Safety-Catch for Cages. By J. Clegg. T. I. M. E., vol. 29, p. 208. 1 page. I.

Safety-Catches in Connection with Mining Cages and Hoists: A Description of a Safety-Catch. By A. Caseley. T. F. I. M. E., vol. 7, p. 257. 4 pages. I.

Hoisting-Device for Testing Safety Catches. By H. Ross. M. & M., vol. 26, p. 122. 1 column. I.

Canfield's Safety-Stop. E. & M. J., vol. 36, p. 323. ½ column. I.

A Safety-Catch for Cages (Steel Springs in Guides). Coll. Engr., vol. 9, p. 278. ⅓ column.

Safety Device. Coll. Engr., vol. 14, p. 319. 1 column. I.

Safety-Catch for Inclined Cage, Ashland Mine, Ironwood, Michigan. M. & M., vol. 24, p. 129. I.

The Lievens Safety-Catch. E. & M. J., vol. 35, p. 177. ½ column. I.

Safety Catch for Mining Cages. Min. & Sci. Press, vol. 23, p. 73. ½ column. I.

Safety-Catches for Mine Cages. Min. Mag., vol. 13, p. 228. 2 columns.

Recommendations for Safety Appliances in Colorado Mining. Min. & Sci. Press, vol. 72, p. 106. 2⅔ columns.

Brown's Safety Catch for Mine Cages. Min. & Sci. Press, vol. 43, p. 63. 1½ columns. I.

Palmer Safety Catch. Min. & Sci. Press, vol. 43, p. 148, ⅓ column; p. 426, ⅔ column.

Alberts Automatic Safety Elevator-Catch. Min. & Sci. Press, vol. 55, p. 161. 1 column. I.

Testing Safety Devices. Min. & Sci. Press, vol. 90, p. 387. ⅔ column.

Safety-Catch for Man Cage. M. & M., vol. 27, p. 170. Notes. I.

Transvaal Report on Rope and Safety Catches. By E. M. Weston. E. & M. J., vol. 84, p. 819, 6 columns; p. 927, 6 columns+; p. 973, 9 columns, I.; p. 1016, 7 columns; p. 1203, 11 columns, I.

Mine-Cage Safety Catch. By G. S. Burgan. M. & M., vol. 28, p. 198. 2 columns. I.

The Undeutsch Safety Catch. By E. Ferrarist. E. & M. J., vol. 81, p. 998. 7⅓ columns. I.

New Safety Catch for a Mine Cage. E. & M. J., vol. 81, p. 1039. ⅔ column.

Safety Attachments: Catches, Bridle Chains, Detaching Hooks, etc. 2d, Geol. Surv., Pa., A. C., p. 268. 17 pages.

Ropes, Chains, Couplings, Guides, Cross-Heads, etc.

Origin of Wire Ropes. Min. & Sci. Press, vol. 27, p. 67. ⅔ column.

Hoisting Rope Economics. M. & M. vol. 28, p. 349. 6 columns. I.

Specifications for Steel Rope Used on the Rand. Witwatersrand Gold-Fields, p. 480. 1¼ pages.

Length, Diameters, and Net Loads Possible to be Raised by Rope in Deep Mining. T. I. M. & M., vol. 11, p. 132. Tables.

Flattened Strand Wire Rope for Hoisting Purposes. Eng. News, 1898, vol. 2, p. 382.

Hoisting Ropes: Kinds and Properties. By R. Peele. M. & M., vol. 20, p. 351. 5 columns.

Hoisting Cables: Distribution of Round and Flat, on the Comstock Lode. Min. & Sci. Press, vol. 52, p. 240. 1½ columns.

Hoisting Ropes in Mines: Round Rope Coiling upon Itself between Two Iron Discs. Min. & Sci. Press, vol. 49, p. 177. ½ column.

Mining Ropes. Min. & Sci. Press, vol. 36, p. 406. ¾ column.

The Best Material for Shaft Ropes. Min. & Sci. Press, vol. 17, p. 307. ⅓ column.

ROUND OR FLAT HOISTING ROPE: Opinions Regarding. Min. & Sci. Press, vol. 50, p. 5. ½ column.

MEASUREMENT OF ROPES. Min. & Sci. Press, vol. 64, p. 241. 1 column. I.

WINDING ROPES: Kinds, Sizes, Strength, etc. Mech. Eng. Coll., C. T. Futers, p. 139. 6 pages. I.

ROPES FOR AERIAL ROPE TRAMWAYS. Aerial Wire-Tramways, p. 22, 4½ pages, I; p. 31, 6 pages, I.

WINDING-ROPES. P. C M., vol. 3, p. 108. 8 pages. I.

HOISTING ROPES FOR MINES. E. & M. J., vol. 84, p. 927, 6 columns; p. 971, 9 columns, I.; p. 1016, 7 columns; p. 1203, 11 columns, I.

NON-ROTATING WIRE-ROPES, AND TESTS OF WIRE ROPE ATTACHMENTS. By E. King. T. I. M. E., vol. 31, p. 150. 4½ pages. I.

PRACTICAL NOTES ON WINDING-ROPES AND CAPELS. By E. Barraclough. T. I. M. E., vol. 30, p. 568. 10½ pages.

HIGH-GRADE WIRE ROPE. By L. C. Moore. P. E. Soc. W. Pa., vol. 19, p. 393. 6 pages.

THE SAFETY OF WINDING ROPES. Min. & Sci. Press, vol. 89, p. 5. ¾ column.

THE LIFE OF COLLIERY WINDING-ROPES. T. I. M. E., vol. 35, p. 143. 1 page.

WINDING-ROPE AND CAPELS. T. I. M. E., vol. 34, p. 140. 8 pages.

TESTING WIRE ROPES. M. & M., vol. 28, p. 350. 1 column. I.

SIZE AND STRENGTH OF SHORT-LINKED CHAINS. Mech. Eng. Coll., C. T. Futers, p. 290. Table.

A WELDLESS STEEL CHAIN. By M. Simon-Brunschwig. E. & M. J., vol. 56, p. 521, 2 columns, I; vol. 51, p. 587, ½ column, I.

STRENGTH OF CHAINS. By N. A. Carle. E. & M. J., vol. 84, p. 690. 1 column. D.

HOW WELDLESS CHAINS ARE MADE. By A. G. Strathern. T. I. M. E., vol. 35, p. 173. 12 pages.

TESTS ON STRENGTH OF CHAINS. T. I. M. E., vol. 35, p. 173. Table.

A SPRING COUPLING FOR HOISTING ROPES. E. & M. J., vol. 64, p. 309. ⅜ column. I.

A SPRING-COUPLING FOR WINDING OR HAULING-ROPE. By H. W. Hollis. T. F. I. M. E., vol. 12, p. 182. 5 pages. I.

CHAIN SHACKLES (Clevices) FOR CAGES. Mech. Eng. Coll., C. T. Futers, Figs. 291, 522, 548, 549, 554, 556, 558.

TYPES OF SPRINGS USED BETWEEN WINDING ROPE AND CAGE. Mech. Eng. Coll., C. T. Futers', p. 285. ½ page. I.

RIGID RAILS (Wood, Iron, or Steel) FOR SHAFT GUIDES. Mech. Eng. Coll., vol. 1, p. 98. 6 pages. I.

LOCK-COILED ROPES FOR GUIDES IN SHAFTS. Mech. Eng. Coll., vol. 1, p. 97. I.

ARRANGEMENT OF ROPE GUIDES IN SHAFT. Mech. Eng. Coll., vol. 1, p. 94. 4 pages. I.

GUIDE-SHOES FOR STEEL RAILS. Mech. Eng. Coll., vol. 1, p. 104. I.

ON THE USE OF SKIPS, GUIDES, ETC., IN ENGLISH MINES. E. & M. J., vol. 24, p. 67. ½ column.

EXPERIENCE GAINED WITH VARIOUS KINDS OF SHAFT GUIDES IN THE BRESLAU MINING DISTRICT. By B. Achermann. Min. Mag., vol. 13, p. 225. 8 columns. I.

THE MOST SUITABLE FORMS OF GUIDES FOR CAGES FOR WINDING FROM DEEP SHAFTS 1500 FEET AND DEEPER. By N. W. Routledge. T. I. M. E., vol. 33, p. 104. 3½ pages. I. By A. J. Kennedy. T. I. M. E., vol. 33, p. 108. 11½ pages.

HINGED-GUIDES: To Provide a Way for Removing Cage or Skip from Track. Witwatersrand Gold-Fields, p. 236. I.

SHAFT GUIDES OR CONDUCTORS. P. C. M., vol. 3, p. 121. 9 pages. I.

WOODEN GUIDES IN THE SHAFTS OF THE RAND. T. I. M. & M., vol. 15, p. 338. 2 pages. I.

FRAME FOR GUIDING BUCKET IN CENTER OF SHAFT. T. A. I. M. E., vol. 1, plate IV.

YOKE FOR CENTERING BUCKET IN SHAFT: Rope Guides. Coll. Engr., vol. 8, p. 4. I.

SLOTTED STEEL SAFETY GUIDES. E. & M. J., vol. 78, p. 180. 1 column. I.

GUIDES. 2d Geol. Survey, Pa., A. C., p. 248. 1½ pages.

CROSSHEAD FOR BUCKET HOISTING. E. & M. J., vol. 40, p. 403. I.

A DEVICE FOR WINDING A ROPE ON DRUM PROPERLY. By H. E. Gray. M. & M., Apr., 1902, p. 415. ⅘ column.

COAL WEIGHING AND RECORDING MACHINE. Engineering, London, vol. 63, p. 473. 2 columns. I.

THE AUTOMATIC WEIGHING OF MATERIAL. The Mech. Handling of Material, p. 383. 28 pages. I.

THE BLAKE-DENISON WEIGHING MACHINE. E. & M. J., vol. 82, p. 158. 1 column. I.

For further information on ROPES, COUPLINGS, ETC., see ROPES FOR USE IN MINES.

Cage Keeps, Chairs, etc.

THE STRAUSS SYSTEM OF COLLIERY CAGE PROPS (Chairs). T. F. I. M. E., vol. 1, p. 209. 2 pages. I.

SAFETY-PROPS FOR SUPPORTING CAGES IN THE HEADGEAR OF PITS IN CASE OF OVERWINDING. By C. S. Smith. T. F. I. M. E., vol. 12, p. 564, 4 pages, I.; p. 568, 2 pages.

CAGE AND LANDING CHAIRS. By R. D. O. Johnson. E. & M. J., vol. 81, p. 410. ½ column. I.

CAGE WINGS, KEEPS OR KEPS. M. & M., vol. 20, p. 428. 1 column. I.

THE STAUSS SYSTEM OF COLLIERY CAGE PROPS. By M. A. Demeure. Coll. Engr., vol. 8, p. 200, 1 column; vol. 9, p. 49, 6½ columns, I.

GRAY'S CAGE CHAIRS. Min. & Sci. Press, vol. 77, p. 532. ½ column. I.

KEPS (of Various Kinds). By J. Tonge. M. & M., vol. 27, p. 198. 4⅔ columns. I.

CAGE KEPS, CHAIRS, ETC. Mech. Eng. Coll., C. T. Futers, p. 294. 4 pages. I.

KEPS OR CATCHES FOR CAGES. P. C. M., vol. 3, p. 144. 6 pages. I.

Shaft-Closing Arrangements

AUTOMATIC SHAFT-GATE. Mech. Eng. Coll., vol. 1, p. 123. I.

AUTOMATIC DEVICE FOR CLOSING SHAFT TO CHECK AIR-CURRENT PROVIDED AN ACCIDENT SHOULD OCCUR IN THE MINE. E. & M. J., vol. 64, p. 400. I.

SHAFT-CLOSING DEVICE. E. & M. J., vol. 64, p. 400. I.

AUTOMATIC SHAFT CLOSING AT A WESTPHALIAN COLLIERY. E. & M. J., vol. 68, p. 369. ⅞ column. I.

A SHAFT CLOSING DEVICE. E. & M. J., vol. 67, p. 589.

A GERMAN SHAFT CLOSING DEVICE. E. & M. J., vol. 67, p. 87. ½ column. I.

METHODS OF CLOSING THE TOPS OF UPCAST WINDING SHAFTS. By A. Reid. T. F. I. M. E., vol. 10, p. 367. 6 pages. I.

FENCING-GATES FOR WINDING-SHAFTS. By W. Hay. T. F. I. M. E., vol. 10, p. 480. 3 pages. I.

SHAFT CLOSING DEVICE EMPLOYED AT SHAFT NO. 5, TAMARACK. T. L. S. M. I., vol. 7, p. 56.

APPARATUS FOR CLOSING THE TOP OF THE UPCAST-SHAFT AT WOODHOM COLLIERY. By C. Liddell. T. I. M. E., vol. 23, p. 195. 4 pages. I.

PIT-TOP SAFETY-FENCING. By S. Watson. T. F. I. M. E., vol. 12, p. 122. 1½ pages. I.

COVER FOR MOUTH OF SHAFT WITH BUCKET HOISTING. M. & M., Mar., 1902, p. 381.

On Some Arrangements for Preventing Accidents at Level Landings in Cage Dips and Shafts. By A. R. Sawyer. T. N. S. I. M. & M. E., vol. 8, p. 204. 4 pages. I.

St. Clair's Safety Arrangement for Closing Shafts. Min. & Sci. Press, vol. 33, p. 193. ⅓ column. I.

Safety-Appliances in Hoisting: Apparatus for Automatically Keeping the Gates at Landings Closed and Fastened when the Cage is not there. M. & M., vol. 19, p. 158. 1½ columns. I.

Inspection of Mines

Government Inspection of Mines. E. & M. J., vol. 10, p. 104. 1 ⅓ columns.

Mine Inspectors in Pennsylvania. E. & M. J., vol. 78, p. 793. 3½ columns.

Duties of an Inspector for the Prevention of Accidents. M. & M., vol. 20, p. 401. 1 column.

Inspection of Mines in Belgium. E. & M. J., vol. 61, p. 302. ½ column.

LABOR IN MINES

Mine Workmen and Labor Problems

The Problem of Educating Employes. By W. E. Joyce. E. & M. J., vol. 83, p. 961. 2¼ columns.

A Brief Study of Social Conditions in the Bituminous Coal Region of Pennsylvania. By L. L. Fay. E. & M. J., vol. 83, p. 1199. 4 columns.

A Modern Coal-Mining Town. By F. W. Parsons. E. & M. J., vol. 82, p. 830. 3 columns. I.

The Miner's Influence on Civilization. Min. & Sci. Press, vol. 65, p. 348. 2¾ columns.

Indians and Mines: Perpetrating Frauds as His White Brother. Min. & Sci. Press, vol. 50, p. 222. Note.

Insanity and Crime in Mining Countries. Min. & Sci. Press, vol. 37, p. 374. 4⅓ columns.

Surplus Population in Mining, Camps. Min. & Sci. Press, vol. 42, p. 88. ⅔ column.

Status of the Miner, Past and Present. By Dan DeQuille. Min. & Sci. Press, vol. 73, p. 27. ¾ column.

Government in the Yukon District: Miners Meeting. U. S. G. S., 18th Ann. Rept., pt. 3, p. 127. ¾ page.

The Tennessee State Convict Mine. By L. E. Bryant. E. & M. J., vol. 58, p. 247. 1 column +.

Workmen and Labor-Saving Machinery. Coll. Engr., vol. 11, p. 91. 1 column.

Labor (Descriptive) in Lake Copper Mines. E. & M. J., vol. 78, p. 586.

"Mineral Time." E. & M. J., vol. 78, p. 900. Note.

Responsibility of Mine-Foremen. E. & M. J., vol. 40, p. 303. ¾ column.

Labor Efficiency in Shoveling. E. & M. J., vol. 80, p. 160. ¼ column.

Life in the English Coal Mines. By T. Burt. Coll. Engr., vol. 8, p. 221. 2 columns.

Mines and Miners. Coll. Engr., vol. 8, p. 222. 1⅔ columns.

"Butty," Definition of. M. & M., Feb., 1902, p. 310.

Coal Mine Foremen and Labor-saving Devices. By L. C. Morganroth. E. & M. J., vol. 71, p. 205, 2¼ columns; p. 242, 1½ columns.

Who is a "Workman"? Engineering, London, vol. 76, p. 143. 2¼ columns.

Conditions of Labor and Life in Anthracite Coal Mining. By F. L. Hoffman. E. & M. J., vol. 74, p. 675.

Wages, Cost of Living, Health, Mortality, etc. E. & M. J., vol. 74, pp. 709, 746, 783, 811.

The Miner in Politics. E. & M. J., vol. 74, p. 279. 1 column.

Taxes and Labor in Transvaal Mines. E. & M. J., vol. 71, p. 332. 1½ columns.

Tropical Climate as an Economic Factor in Mining. By J. P. Hutchins. E. & M. J., vol. 80, p. 870. 9 columns. I.

Opportunities for Employment in Mexico: The Conditions Existing, Both Favorable and Unfavorable, as Compared with Those in the United States. By Consul-General Conley. M. & M., Oct., 1904, p. 129.

The Engineer and Wage-Earner. By J. C. Bayles. T. A. I. M. E., vol. 14, p. 327.

The 8-Hour Day. Engineering, London, vol. 64, p. 201, 2 columns. E. & M. J., vol. 80, p. 444, 3½ columns; vol. 41, p. 334, 1¾ columns.

Underground Certificates in Nova Scotian Coal-Mines. By E. Gilpin. T. I. M. E., vol. 16, p. 300. 15 pages.

Slavery in the Coal-Mines of Scotland. By J. Barrowman. T. F. I. M. E., vol. 14, p. 267. 14 pages.

Iron and Labor. By A. S. Hewitt. T. A. I. M. E., vol. 19, p. 475.

Surface and Underground Men: Ratio of. Min. & Sci. Press, vol. 50, p. 413. ½ column.

The Number of Miners on the Comstock. Min. & Sci. Press, vol. 35, p. 70. ½ column.

Native vs. White Labor in Central America. Min. & Sci. Press, vol. 89, p. 338. 1½ columns.

Mexican Mine Labor. Min. & Sci. Press, vol. 58, p. 148. 1 column.

White Labor in the Tropics. E. & M. J., vol. 81, p. 568. 1 column.

Connecticut Work and Workmen. By G. L. Porter. T. A. I. M. E., vol. 24, p. 609.

Conditions in the Anthracite Regions. E. & M. J., vol. 76, p. 806, 1⅔ columns; p. 842, 2 columns.

The Anthracite Conciliation Board. E. & M. J., vol. 76, p. 960, 2 columns; p. 998, 2 columns.

Labor Conditions in the Southwest. E. & M. J., vol. 77, p. 510. 1⅔ columns.

English vs. American Workmen. Min. & Sci. Press, vol. 32, p. 134. ¾ column.

The Kind of Men Miners Are. Min. & Sci. Press, vol. 50, p. 142. ⅔ column.

"Float" Miners. Min. & Sci. Press, vol. 43, p. 346. ⅓ column.

Labor in the Northwest. E. & M. J., vol. 52, p. 235. ⅔ column.

The Condition of Miners in Hungary. E. & M. J., vol. 51, p. 381. Note.

Labor on the Isthmus of Panama. M. & M., vol. 25, p. 592. ½ column.

The Rossland Miners' Strike. E. & M. J., vol. 73, p. 204. 2½ columns.

Shipping Chinamen to South Africa. E. & M. J., vol. 78, p. 256. 3 columns. I.

Employees, by Classes, Employed in Mines and Quarries of the United States. Rept. Census Office, Mines & Quarries, 1902, p. 91. Table.

Labor: White and Native. The Witwatersrand Gold-Fields, p. 448. 11 pages.

Chinese on the Rand. E. & M. J., vol. 79, p. 1148. 2 columns.

Mines and Workers: Labor Rept., by Royal Commission. Engineering, London, vol. 70, p. 141, 2½ columns; p. 215, 4 columns; p. 260, 4 columns.

Labor: Mines and Miners. Report Royal Commission. Employment of Children; Apprenticeships; Labor of Children in Coal Mines; Indiscriminate Mixing of the Sexes in Mines; Hours of Labor for Children; Treatment of Children; Accidents. Engineering, London, vol. 70, p. 73. 4 columns. I.

Mining Labor in Australia. By W. J. Loring. Min. & Sci. Press, vol. 94, p. 509. 3 columns.

Labor in West Australia. Gold Min. & Mill. in Aus., p. 457. 5 pages.

Present Labor Conditions in Mexico. By E. A. H. Tays. E. & M. J., vol. 84, p. 621. 11 columns. I.

Mexican Mine Labor. Min. & Sci. Press, vol. 94, p. 321. 1 column.

Notes on Mexican Mine Labor. By C. A. Allen. Min. & Sci. Press, vol. 94, p. 345. 3 columns.

Labor in Mexican Mines. By E. H. Davison. Min. & Sci. Press, vol. 92, p. 260. 1 column.

Mexican Mines: Native Silver District of Morelos, Chihuahua. By A. E. Kock. Min. & Sci. Press, vol. 30, p. 178, 3¾ columns; p. 194, 2¼ columns.

An Indian Colliery and Its Miners. By H. M. Cadell. T. I. M. E., vol. 19, p. 60. 8 pages.

Italians as Coal Miners. E. & M. J., vol. 83, p. 1059. ¾ column.

Experiences with Austrians as Iron Miners. E. & M. J., vol. 83, p. 1101. 2⅞ columns.

Italians as Mine Workers. By R. B. Brinsmade. E. & M. J., vol. 83, p. 842. 1⅞ columns.

The American Negro for South Africa. By D. H. Newland. E. & M. J., vol. 76, p. 308. 2 columns.

Colored Mining Labor. By A. F. Brainerd. T. A. I. M. E., vol. 14, p. 78.

Chinese Cheap Labor, on the Rand. Min. & Sci. Press, vol. 92, p. 49. 2½ columns.

Method of Exporting Chinese Coolies to the Transvaal. Min. & Sci. Press, vol. 92, p. 55. 3½ columns.

Mining and Chinese Labor. Min. & Sci. Press, vol. 18, p. 73. ⅞ column.

Chinese Miners (in California). Min. & Sci. Press, vol. 27, p. 202. ½ column.

The Chinese Problem. Min. & Sci. Press, vol. 19, p. 157. ½ column.

Chinese Coolies in the Transvaal. E. & M. J., vol. 81, p. 131. 4 columns.

The Chinese as Miners. E. & M. J., vol. 10, p. 329. 1½ columns.

The Chinese Pitman and His Peculiarities. E. & M. J., vol. 41, p. 356. 1¾ columns.

Chinese in South Africa. E. & M. J., vol. 78, p. 95. 1⅓ columns.

Chinese in Canadian Mines. E. & M. J., vol. 80, p. 579. ¼ column.

Condition of Miners in Hungary. E. & M. J., vol. 50, p. 311. ¼ column.

Chinese Mines and Miners. By A. Reid. T. I. M. E., vol. 23, p. 26. 10 pages. I.

New Chinese Labor-Law in the Transvaal. E. & M. J., vol. 80, p. 919, 1¼ columns; p. 876, 2 columns; vol. 75, p. 889, 1½ columns.

Labor-Supply in Rhodesia, South Africa. T. I. M. E., vol. 31, p. 93. 2¾ pages.

Labor Problems in the Transvaal. E. & M. J., vol. 84, p. 249. 1¾ columns.

The Kaffir as a Miner. Min. & Sci. Press, vol. 89, p. 378. 1⅔ columns. I.

Labor Conditions in the Transvaal Mines. E. & M. J., vol. 74, p. 40, 1 column; p. 45, 3 columns. I.

Mine Labor and Costs on the Witwatersrand. By T. L. Carter. E. & M. J., vol. 76, p. 1005. 8 columns. I.

The Kaffir Mine-Workers. By T. L. Carter. E. & M. J., vol. 77, p. 281. 3½ columns. I.

The Labor Question in the Transvaal Mines. By P. Lercy-Beaulieu. E. & M. J., vol. 61, p. 256. 1½ columns.

The Chinese Coolie Case in South Africa. The Advance, Sept. 14, 1905, p. 287. 1 column.

Labor on the Rand. E. & M. J., vol. 76, p. 2, ½ column; p. 222, 1 column.

Labor Problem in South Africa. E. & M. J., vol. 76, p. 880. 1⅓ columns.

The Kaffir Miners. By T. Lane Carter. M. & M., Nov., 1901, p. 160.

Unskilled Alien Labor in South Africa. Rept. of Mr. H. Ross Skinner, 14th Annl. Rept. Transvaal Chamber of Mines, for the year 1903, p. 155.

Labor in the Kimberley Diamond Mines. T. N. S. I. M. & M. E., vol. 10, p. 104. ⅞ page.

Convict Labor. T. N. S. I. M. & M. E., vol. 10, p. 105. ⅓ page.

Workers in De Beers Mines. Diamond Mines of South Africa, pp. 407–449.

Workers in Diamond Fields. Diamond Mines of South Africa, pp. 218, 219, 322, 325, 326, 391–393, 397, 402–404, 413–449.

Boys in Philadelphia Coal Mines. E. & M. J., vol. 82, p. 1022. 1 column.

The Work of Children in French Mines. Min. & Sci. Press, vol. 31, p. 50. ¼ column.

Women in Mining. Min. & Sci. Press, vol. 63, p. 294. 1 column+.

Malay Women as Gold Miners. Min. & Sci. Press, vol. 94, p. 572. ¼ column.

Labor Troubles, Strikes, etc.

The Illinois Coal Operators' Plan for Removing the Occasion of Strikes: How the Plan Originated and the Method of Accomplishing Its Object. By H. Justi. M. & M., vol. 21, p. 251. 4½ columns.

The Law of Picketing. Engineering, London, vol. 67, p. 153, 2 columns; p. 521, 2¼ columns.

Strikes: History, etc. The Anthracite Coal Industry. By Peter Roberts. p. 171. 22 pages.

Things to which Miners are Liable: Complaints. Min. & Sci. Press, vol. 85, p. 87. 1⅕ columns.

Concerning Strikes. Min. & Sci. Press, vol. 50, p. 174. 2 columns.

Late Strike at Cripple Creek, Colorado. Min. Mag., vol. 11, p. 414. 1 page.

Some Aspects of the Labor Question. By R. W. Raymond. E. & M. J., vol. 45, p, 34. 4½ columns.

The Anthracite Strike. E. & M. J., vol. 45, p. 49. 1⅔ columns.

Arguments of the Anthracite Strikers. E. & M. J., vol. 45, p. 67. 1⅔ columns.

The Rights of the Public vs. Those of the Strikers. E. & M. J., vol. 45, p. 176. 1 column.

The Courts and the Strikers. E. & M. J., vol. 45, p. 265. 1 column.

The Handling of Colored Labor. By C. S. Herzig. E. & M. J., vol. 81, p. 1055. 7½ columns.

Arbitration in Mining Matters. Min. & Sci. Press, vol. 46, p. 344. ⅔ column.

The Mathematics of Strikes. Min. & Sci. Press, vol. 36, p. 166. ½ column.

Labor Rights and Wrongs. Min. & Sci. Press, vol. 35, p. 360. 1 column.

Miners Smoked Out: War Between Two Adjoining Companies; An Alleged Attempt to Blow Miners up. Min. & Sci. Press, vol. 28, p. 330. ⅔ column.

Slow Mining (Laziness of Miners). Min. & Sci. Press, vol. 57, p. 108. ⅔ column.

Miners' Superstitions. Min. & Sci. Press, vol. 44, p. 54. ⅞ column.

Superstitions of Miners. Min. & Sci. Press, vol. 56, p. 327. ¾ column.

The End of the Homestead Strike. E. & M. J., vol. 54, p. 122. 1 column.

Labor and Liberty. E. & M. J., vol. 54, p. 146. 1 column.

Relations between Employers and Workmen. E. & M. J., vol. 54, pp. 171, 195. ⅔ column.

Labor and Law. E. & M. J., vol. 54, p. 193. 2 columns.

The Colorado Labor Troubles. Min. Mag., July, 1904, p. 68.

The Strike in the Lehigh Coal-Fields. E. & M. J., vol. 44, p. 254. 1 column.

The Cananea Troubles. E. & M. J., vol. 81, p. 1104. 3 columns. I.

The Riots at Cananea. E. & M. J., vol. 81, p. 1152. 2 columns+.

The Cœur d'Alene Riot: The Troubles at Kellogg, Idaho, which Resulted in the Blowing up of the Bunker Hill and Sullivan Concentrator. M. & M., vol. 19, p. 554. 2½ columns.

The Situation in the Cœur d'Alenes. E. & M. J., vol. 58, p. 170, 1¼ columns; p. 529, ½ column; p. 602, 1 column.

The Troubles in the Cœur d'Alene. Min. & Sci. Press, vol. 94, p. 754. 4 columns. I.

The Alabama Coal Miners' Strike. E. & M. J., vol. 74, p. 39, ½ column; p. 71, ½ column; vol. 79, p. 1185, 2 columns.

Boards of Conciliation and Arbitration. By E. B. Coxe. E. & M. J., vol. 11, p. 193, 4 columns; p. 211, ⅔ column.

One Solution of the Labor Question. E. & M. J., vol. 74, p. 9. 1½ columns.

The Anthracite Miners' Convention. E. & M. J., vol. 80, p. 168. 2½ columns.

8-Hour Day in the Anthracite Mines. E. & M. J., vol. 79, p. 1142. 2 columns.

A Union of Coal Mine Operators. E. & M. J., vol. 79, p. 1238. 2½ columns.

The Anthracite Conciliation Board. E. & M. J., vol. 80, p. 23. 3 columns.

Certificates for Anthracite Miners. E. & M. J., vol. 78, p. 659. 2 columns.

Demands of Anthracite Coal Miners, 1902. E. & M. J., vol. 73, p. 753. 3 columns.

The Anthracite Strike. E. & M. J., vol. 73, p. 788. 2 columns.

What are the "Intolerable" Conditions in the Anthracite Region. By R. W. Raymond. E. & M. J., vol. 73, p. 855. 3 columns.

The Anthracite Situation. By R. L. O'Brien. E. & M. J., vol. 75, p. 187. 2¾ columns.

Settlement of the Anthracite Miners' Strike. E. & M. J., vol. 74, p. 509. 3 columns.

Mistakes of the Anthracite Operators. E. & M. J., vol. 74, p. 540. 2 columns.

The Unconsidered Heroes. E. & M. J., vol. 74, p. 553. ½ column.

The Anthracite Strike Commission. E. & M. J., vol. 74, p. 573, 1¾ columns; p. 676, 2¼ columns; p. 705, 2 columns; p. 809, 1¼ columns.

The Duty of the Anthracite Operators (1902). E. & M. J., vol. 74, p. 208. 2½ columns.

Recent Utterances on the Anthracite Strike. E. & M. J., vol. 74, p. 336. 3½ columns.

The Conference on the Anthracite Strike. E. & M. J., vol. 74, p. 475. 1 column.

Anthracite Mining Conditions: Strike 1901. E. & M. J., vol. 73, p. 886. 5 columns.

The Resumption of Anthracite Mining. E. & M. J., vol. 74, p. 176 (1902). 3½ columns.

Nearing the End. E. & M. J., vol. 74, p. 189. 3 columns.

The Anthracite Conciliation Board. E. & M. J., vol. 80, p. 963. 1 column.

The Anthracite Coal Strike Commission. E. & M. J., vol. 74, p. 842, 1¼ columns; vol. 75, p. 286, 3¼ columns; p. 413; p. 470, 2½ columns; p. 480, 3½ columns; p. 510, 1 column; p. 521, 4½ columns; p. 523, 3 columns.

The Unknown Heroes. E. & M. J., vol. 74, p. 788. 1½ columns.

Labor and Capital. Min. & Sci. Press, vol. 36, p. 215. ¾ column.

Reducing Miners' Wages. Min. & Sci. Press, vol. 36, p. 402. 1 column.

The Sliding Scale for Mines. Min. & Sci. Press, vol. 42, p. 333. ⅓ column.

Combinations of Capital and Labor. E. & M. J., vol. 20, p. 358. 1½ columns.

Capital and Labor. By R. H. Hadfield. E. & M. J., vol. 61, p. 135. 2¼ columns.

Discipline in Mines

Discipline: Philadelphia Coal Mines. Rept. Inspr. Mines, Pa. (1875), p. 175. ½ page.

The Need of Discipline, Anthracite Fields. The Anthracite Coal Industry, p. 84. 10 pages.

Discipline or Death. E. & M. J., vol. 28, p. 65. 1 column.

Discipline and Danger in Mines. E. & M. J., vol. 74, p. 106. 4¼ columns.

Mine Discipline. 2d Geol. Survey, Pa., A. C., p. 345. 22 pages.

Mine Discipline: What Constitutes Discipline; The Importance of System as an Aid to Its Enforcement. By D. C. Thomas. M. & M., June, 1901, p. 487. 2¼ columns.

Discipline and Danger. E. & M. J., vol. 5, p. 104. 1⅔ columns.

Workmen's Aid and Compensation

Workmen's Compensation: With Special Reference to Contracting Out. By Sir L. Knowles. T. I. M. E., vol. 31, p. 288. 36 pages.

How One Corporation Helped Its Employees. By L. Lewis. E. & M. J., vol. 83, p. 1233. 15½ columns. I.

Insurance and Compensation as Regards the Employers' Liability Bill. By R. N. Boyd. T. N. S. I. M. & M. E., vol. 4, p. 61. 8 pages.

Advantages of "Community of Interests:" Consolidation of Mining Companies. The Anthracite Coal Industry, p. 77. 4 pages.

Coöperative Mining Between Operator and Employees. Min. & Sci. Press, vol. 69, p. 243. ⅔ column.

Coöperative Gold Mining in Australia. Min. & Sci. Press, vol. 73, p. 114. 1⅔ columns.

Government Aid to Miners: Industry not Labor. Min. & Sci. Press, vol. 25, p. 162. 1 column.

The Beneficial Fund of the Lehigh Coal and Navigation Company. By J. S. Harris. E. & M. J., vol. 37, p. 141. 4 columns.

Profit Sharing. E. & M. J., vol. 51, p. 254. 1 column.

Profit-Sharing as a Remedy. Engineering, London, vol. 64, p. 565. 5 columns.

E. & M. J., vol. 50, p. 310. ⅙ column.

Some Observations on the Principle of Benefit Funds and Their Place in the Lake Superior Iron Mining Industry. By W. G. Mather. T. L. S. M. I., vol. 5, p. 10. 10 pages.

Profit Sharing. E. & M. J., vol. 43, p. 399. Note.

On the Report of the Royal Commission on Mining Royalties. By J. Hamilton. T. F. I. M. E., vol. 6, p. 9. 24 pages.

The Workmen's Compensation Act, 1897. By E. B. Wain. T. F. I. M. E., vol. 14, p. 354. 4 pages.

An Experience in Coöperative Mining. By D. W. Brunton. E. & M. J., vol. 60, p. 104. 1½ columns.

The Coöperative Experiment at the Morning Mine, Idaho. E. & M. J., vol. 59, p. 27. 1 column.

Laborers' Pensions in France: Rating. Engineering, London, vol. 68, p. 271. Note.

Miners' Insurance in Germany. E. & M. J., vol. 62, p. 538. ½ column.

The Insurance of Workmen. E. & M. J., vol. 45, p. 157. 1¼ columns.

Miners' Relief and Insurance. E. & M. J., vol. 45, p. 377. ⅔ column.

Miners' Pensions in Belgium. E. & M. J., vol. 71, p. 82. Note.

The Miners' Fund of New Almaden. By S. B. Christy. T. A. I. M. E., vol. 13, p. 181.

Profit Sharing. By Andrew Carnegie. E. & M. J., vol. 75, p. 745. 1¼ columns.

For further information on Compensation for Miners see Compensation for Injuries.

Labor Unions

Trade Unions and the Premium System. Engineering, London, vol. 78, p. 408. 2 columns.

Responsibility of Miners' Unions. E. & M. J., vol. 78, p. 331. 1 column.

Unionism: Pennsylvania Anthracite Fields. The Anthracite Coal Industry, p. 192. 20 pages.

The Open Shop. E. & M. J., vol. 81, p. 330. 3½ columns.

The Case Against the Trade Unions. E. & M. J., vol. 74, p. 840. 1 column.

Labor Unions in Colorado. E. & M. J., vol. 75, p. 398. ⅔ column.

The Labor Question. E. & M. J., vol. 31, p. 214. 1 column.

What is a Trade Union? Engineering, London, vol. 75, p. 626. 1⅓ columns.

The Effects of Labor Agitation. E. & M. J., vol. 76, p. 80. 1 column.

Compulsory Arbitration. By F. D. Powers. E. & M. J., vol. 79, p. 1136. 3⅔ columns.

Relation of Employer and Employee. Min. & Sci. Press, vol. 88, p. 228. 1⅓ columns.

Miners' Wages

A History of the "Sliding Scale" of "Profit Sharing" in Pennsylvania Coal Mines. E. & M. J., vol. 44, p. 275, 1¼ columns; p. 293, 1 column; p. 368, 2 columns; p. 409, ½ column; p. 413, 3¼ columns.

Wage Scale at Tonopah, August, 1906. Min. & Sci. Press, vol. 93, p. 42. Table.

Working Hours in Austrian Mines. E. & M. J., vol. 72, p. 494. ¼ column.

A Rational Basis for Wages. By H. Emerson. Engineering, London, vol. 77, p. 799. 4 columns.

The Assessment of Miners' Wages. Egineering, London, vol. 77, p. 383. 2½ columns.

Coal Miners' Wages in Germany and the United States. E. & M. J., vol. 66, pp. 422, 551. Note.

Wages and Hours of Labor in 1901. Engineering, London, vol. 74, p. 316. 3½ columns.

Paying Workmen. Engineering, London, vol. 75, p. 207. 1 column.

The Premium System Applied to English Shops. By James Rowan. Engineering, London, vol. 75, p. 432. 7 columns +.

Coal Miners' Wages in Alabama. E. & M. J., vol. 76, p. 302. ⅔ column.

Wages Paid Miners (Coal) During 1888. T. A. I. M. E., vol. 18, p. 137.

Table Showing Percentage of the Total Value of Ores Paid to Miners Each Year During a Period of 18 Years. T. A. I. M. E., vol. 18, p. 58.

Wages of Coal Mine Workers in China. T. A. I. M. E., vol. 16, p. 108.

Wages, Earnings and Working Time of Anthracite Miners. E. & M. J., vol. 74, pp. 675, 677.

Miners' Clubs and Changing Houses

A New Changing House at the West Vulcan Mine: A Description of the Arrangements for Cleanliness, Convenience, and Comfort of the Men. By W. Kelly. M. & M., Oct., 1902, p. 123. 4 columns.

A Miners' Club House. By L. Janin. E. & M. J., vol. 72, p. 67. 1 column. I.

Newhouse, Utah: A Model Town in the Desert, Built for the Accommodation of the Employees of the Cactus Copper Mine and Mill. By L. A. Palmer. M. & M., vol. 26, p. 173. 4½ columns. I.

Steel Works (Social) Club, Joliet, Illinois. E. & M. J., vol. 48, p. 569. 1½ columns.

For further information of Changing House, etc., see Health of Miners.

Contract Systems and Leasing

The Leasing System. Min. & Sci. Press, vol. 81, p. 517. 1 column.

The Leasing System. Min. & Sci. Press, vol. 86, p. 81. 1⅓ columns.

The Leasing System at Cripple Creek, Colorado: Advantages. Min. Mag., vol. 11, p. 420. 2 pages.

Leasing at Goldfield, Nevada. By C. T. Rice. E. & M. J., vol. 82, p. 482. 7½ columns. I.

Mining Leasing. Min. & Sci. Press, vol. 50, p. 255. ⅓ column.

Leasing Mine with Privilege of Purchase. Min. & Sci. Press, vol. 53, p. 51. Note.

A Mine Lease. Min. & Sci. Press, vol. 76, p. 616. 2½ columns.

Verbal Leases of Mines. Min. & Sci. Press, vol. 53, p. 233. 1 column.

The Leasing System of Coal Lands. E. & M. J., vol. 83, p. 390. 4 columns.

Forms of Mining Leases: Cripple Creek, Colorado. Rept. Zinc Comm. Canada, p. 241. 5 pages.

Leadville Form of Lease. Rept. Zinc. Comm. Canada, p. 245. 2 pages.

Form of Mine Lease. Min. & Sci. Press, vol. 86, p. 246. 2⅓ columns.

Leases in Western Australia. Gold Min. & Mill. in Aus., p. 485. 8 pages.

Leasing Mineral Land in Joplin District, Missouri. Min. & Sci. Press, vol. 84, p. 131. ⅓ column.

Working Mines on Lease. Min. & Sci. Press, vol. 43, p. 345. ½ column.

Notes on the Lease or Tribute System of Mining as Practiced in Colorado. By B. B. Lawrence. T. A. I. M. E., vol. 21, p. 911.

Leasing of Mines: Pay of Laborers. By W. W. Smyth. E. & M. J., vol. 22, p. 364, 2 columns; p. 392, 2 columns.

Coal Leases Defined. Coll. Engr., vol. 13, p. 9. ½ column.

To Lease or Not to Lease. Min. & Sci. Press, vol. 41, p. 354. ½ column.

The Leasing System: A Method of Working Mines which is Operated on Both a Large and Small Scale. By A. Lakes. M. & M., vol. 24, p. 180. 2½ columns.

The Lease System in Mining. E. & M. J., vol. 55, p. 193. ⅔ column.

Mine Leases. E. & M. J., vol. 40, p. 20, 1½ columns; p. 56, ½ column.

Leasing in the Atlin District: Size of Claims, etc. E. & M. J., vol. 77, p. 523.

Mine Leasing. E. & M. J., vol. 52, p. 329. ⅔ column.

Mine Leasing in the West. E. & M. J., vol. 53, p. 421. ½ column.

Leases and Ore Discovery. E. & M. J., vol. 79, p. 1149. 1 column. I.

The Leasing System in Colorado. By M. D. Draper. M. & M., Jan. 1904, p. 260.

Mine Leases. By F. T. Freeland. T. A. I. M. E., vol. 25, p. 106.

The Leasing System in Cripple Creek, Colorado. Min. Mag., vol. 11, p. 420.

Manner of Opening Mineral Lands and Method of Leasing Mining Lots, Webb City, Missouri. T. A. I. M. E., vol. 21, p. 11.

The Missouri-Kansas Mining Methods and the Leasing System. By J. B. Guinn. E. & M. J., vol. 68, pp. 62, 154, 273. ⅔ column.

The Leasing System (in Colorado). Min. & Sci. Press, vol. 74, p. 4. ½ column.

Coöperative Mining. Min. & Sci. Press, vol. 31, p. 113. 1 column.

Ground Tenure. The Witwatersrand Gold-Fields, p. 447. 1 page.

Notes on the Buying and Sampling of Ores and the Working of Mines on the Tribute System, in Chili. By G. V. Hopkins. T. I. M. & M., vol. 6, p. 108.

Buscones and Tributers in Mexico: System of Working. Min. & Sci. Press, vol. 68, p. 326. ½ column. E. & M. J., vol. 78, p. 902. 1¼ columns.

The Tribute System, Eureka, Nevada. U. S. G. S., Monograph No. VII, p. 150. 3 pages.

Tributing (on the Comstock). Min. & Sci. Press, vol. 45, p. 70, ½ column; p. 182. ¾ column.

The Tribute and Contract Systems of Mining. Min. & Sci. Press, vol. 48, p. 254. ¾ column.

Tribute Mining. Min. & Sci. Press, vol. 49, p. 196. ⅓ column.

Tribute System at the Empire Mine. Min. & Sci. Press, vol. 49, p. 198. ¾ column.

Bonding and Tributing. Min. & Sci. Press, vol. 50, p. 140. Notes.

The Tributers and Coasters. Min. & Sci. Press, vol. 38, p. 320. 1 column.

The Tribute System of Working Mines. Min. & Sci. Press, vol. 43, p. 403. ½ column.

The Tribute System. Min. & Sci. Press, vol. 51, p. 132, 1 column; vol. 52, p. 275 (Mine Leasing), 1 column+.

Tributing. Min. & Sci. Press, vol. 52, p. 340. ⅔ column.

The Lease or Tribute System of Mining. Min. & Sci. Press, vol. 66, p. 213. 1 column+.

Contract for Shaft-Sinking. M. & M., Jan., 1903, p. 260. 2 columns.

The Illinois Supreme Court on Freedom of Contract for Labor. By E. W. Shaw. E. & M. J., vol. 75, p. 822. 1⅙ columns.

Miners' Contracts in England in 1766. E. & M. J., vol. 71, p. 52. ½ column.

The Contract System in Mining. E. & M. J., vol. 71, p. 819. 1½ columns.

The Contract System for Labor at Kimberley Mines. E. & M. J., vol. 76, p. 238.

Contract Work: Marquette Range. Sch. Mines Quart., vol. 3, p. 247. 4 pages.

Is Anything the Matter with Piece-Work? By. F. Richards. Engineering, London, vol. 77, p. 107. 2 columns.

The "Hole" Contract System. Min. & Sci. Press, vol. 83, p. 181. ⅓ column.

The Contract System in Mining. Min. Mag., vol. 12, p. 131. 2¼ columns.

Labor Conditions at Rossland, British Columbia: Failure of Contract Work. M. & M., vol. 21, p. 367. ⅔ column.

A Contract System. Min. & Sci. Press, vol. 80, p. 673. 1 column +.

The Operation of the "Hole-Contract" System in the Center Star and War Eagle Mines, Rossland, British Columbia. By C. R. Davis. T. A. I. M. E., vol. 31, pp. 628, 1005.

The Contract System. Min. & Sci. Press, vol. 79, p. 195. 1⅓ columns.

The Contract System of Mining. Min. & Sci. Press, vol. 32, p. 194. ⅔ column.

A Simple Stope Record. By M. W. Alderson. Min. & Sci. Press, vol. 90, p. 271. 3 columns. I.

The Premium System. Min. & Sci. Press, vol. 91, p. 119. ⅔ column.

The Premium Plan of Paying for Labor. Coll. Engr., vol. 12, p. 101. ¾ column.

The Premium System as Applied to Mining: Some of the Methods by which Costs of Mining may be Reduced. By H. Foster Bain. M. & M., June, 1904, pp. 554–555.

Ore Thefts

Gold Stealing in Western Australia. E. & M. J., vol. 82, p. 1017. ⅓ column.

Ore-Stealing: "High-Grading." Min. & Sci. Press, vol. 94, p. 59. ¼ column.

Gold Stealing at Kalgoorlie. E. & M. J., vol. 82, p. 966. ½ column.

The Tricks of Miners. By Dan DeQuille. E. & M. J., vol. 53, p. 618. 2⅓ columns.

Gold-Stealing in Western Australia. Gold Min. & Mill. in Aus., p. 472. ½ page.

Tricks of Ancient Miners to Conceal Valuable Mineral Deposits to Prevent them being Confiscated by the Crown. Min. & Sci. Press, vol. 40, p. 41. Note.

Stealing of Ore by Miners in Mexican Mines when Slaves were Employed. Min. & Sci. Press, vol. 45, p. 166.

Ore Thefts in Colorado. Min. & Sci. Press, vol. 81, p. 404. ¾ column.

The Evil Practice of Ore Stealing. Min. & Sci. Press, vol. 80, p. 374. 1 column.

Preventing Gold Robberies from Mills. Min. & Sci. Press, vol. 67, p. 70. 1½ columns.

Mine Robberies. Min. & Sci. Press, vol. 74, p. 210. ½ column.

Robbery of Ore from Mine and Reduction Works. Min. & Sci. Press, vol. 73, p. 375. ¾ column.

Stealing Specimens. Min. & Sci. Press, vol. 43, p. 271. ¾ column.

How the Miners Make Mining Pay: They are searched, but Steal Ore by: Wearing Woolen Clothes; Drill Hole in Gangue, Fill with Rich Ore and Plug Up; Fill Hollow Pick Handles, etc. Min. & Sci. Press, vol. 43, p. 222. ½ column.

Stealing Among Miners. E. & M. J., vol. 5, p. 185. ½ column.

Ore Stealing and Changing-Houses. E. & M. J., vol. 76, p. 572. 1¼ columns.

Ore Stealing. E. & M. J., vol. 76, p. 582. 1¼ columns.

ORE STEALING, CRIPPLE CREEK. E. & M. J., vol. 76, p. 920. 1 column.

"MARAUDING" (Stealing) IN FRENCH GUIANA. By D. Levat. E. & M. J., vol. 74, p. 785. 2¾ columns.

GOLD STEALING IN WESTERN AUSTRALIA. E. & M. J., vol. 74, p. 784. ½ column.

GOLD STEALING IN THE SIBERIAN PLACERS. By E. D. Levat. E. & M. J., vol. 63, p. 141. 1 column.

ORE STEALING. Min. & Sci. Press, vol. 93, p. 332. 1⅓ columns.

BURIED BOOTY. Min. & Sci. Press, vol. 53, p. 184. 1 column.

LADDERS IN MINES

HISTORY OF INTRODUCTION OF MAN ENGINES IN EUROPE. Min. & Sci. Press, vol. 86, p. 147. Note.

THE STRENGTH OF LADDERS. By R. G. Brown. E. & M. J., vol. 63, p. 602. 1 column.

TESTS OF LADDERS. By G. D. Rice. E. & M. J., vol. 64, p. 757. 2 columns. I.

MINE LADDERS. Min. & Sci. Press, vol. 91, p. 383. ⅓ column.

LADDERS FOR UNDERGROUND SERVICE. Min. & Sci. Press, vol. 77, p. 253. 2 columns. I.

SETTING LADDERS IN MAN-WAY. E. & M. J., vol. 82, p. 404. Note.

MINE LADDERS IN MICHIGAN IRON MINE. E. & M. J., vol. 82, p. 68. Note.

MINE LADDERS: Splicing, etc. E. & M. J., vol. 83, p. 863. Note.

MINE LADDERS. By L. W. Trumbull. M. & M., vol. 28, p. 345. 1½ columns.

SOLLARS AND LADDERS. J. C. M. I., vol. 7, p. 359. 2 pages.

MINE LADDERS, STEMPLES, CROSS-STICK, SUSPENDED LADDER, AND STAIRWAYS: Ladder Construction. E. & M. J., vol. 24, p. 6.

LADDER CONSTRUCTION, OLD IRONSIDES MINE, BRITISH COLUMBIA. Min. & Sci. Press, vol. 85, p. 369. Note.

MAKING MINE LADDERS. By M. W. Alderson. Min. & Sci. Press, vol. 92, p. 127. 1½ columns. I.

MAKING MINE LADDERS. Min. & Sci. Press, vol. 92, p. 177. 1 column. I.

LIFE IN MINES

ANIMAL LIFE IN MINING SHAFTS. Min. & Sci. Press, vol.. 47, p. 153. 1½ columns.

THE RATS OF THE "LOWER LEVELS." By Dan DeQuille. E. & M. J., vol. 54, p. 300. 1¼ columns.

THE RATS OF THE LOWER LEVELS. E. & M. J., vol. 6, p. 39. ¼ column.

RATS IN A SILVER MINE. Min. & Sci. Press, vol. 67, p. 133. ¾ column.

USE OF MINE RATS. Min. & Sci. Press, vol. 90, p. 54. ½ column.

FROG FOUND ALIVE IN A MINE. Min. & Sci. Press, vol. 26, p. 88. ½ column.

A TOAD BURIED FOR CENTURIES. Min. & Sci. Press, vol. 67, p. 136. ⅓ column.

ONE MORE PREHISTORIC TOAD. Min. & Sci. Press, vol. 67, p. 214. ¼ column.

INSECT LIFE IN A COAL PIT. E. & M. J., vol. 14, p. 258. Note.

DO INSECTS DEVOUR LEAD? Min. & Sci. Press, vol. 27, p. 410. ½ column.

ORGANIC REMAINS IN ORE DEPOSITS. By A. Lakes. E. & M. J., vol. 79, p. 1226. 4 columns.

NOTE ON THE CULTIVATION OF MUSHROOMS IN ABANDONED MINES AT AKRON, N. Y. By W. Y. Warren. T. A. I. M. E., vol. 17, p. 248.

FUNGI IN MINES. M. & M., May, 1902, p. 453.

NOTES ON A FOSSIL FUNGUS FOUND IN SILVERTON MINES. By A. P. Griffiths. Trans. New Zealand Inst. Min. Engs., vol. 2, 1898, p. 35.

Traces of Organic Remains from the Huronian (?) Series, at Iron Mountain, Michigan. By W. S. Gresley. T. A. I. M. E., vol. 26, p. 527.

Remarkable Occurrence of a Piece of Wood in a Quartz Vein. By A. Lakes. M. & M., July, 1903. p. 534.

Fossil Tree Trunks in a Belgian Colliery. M. & M., vol. 26, p. 73. ⅓ column.

Notes on the Occurrence of Charcoal at a Depth of 630 Feet in the Silver Cliff Mining District, Custer County, Colorado. By F. Charlton. E. & M. J., vol. 49, p. 332. ⅔ column.

MANAGEMENT OF MINES

Mine Administration

Power House Management. P. E. Soc. W. Pa., vol. 21, p. 259. 23 pages. I.

Mine Management. By C. DeKalb. M. & M., vol. 28, p. 588. 5½ columns.

Requirements of Modern Mining. By J. R. Finlay. Min. & Sci. Press, vol. 94, p. 507. 3 columns +.

Management: Business and Engineering. By Edgar Rickard. Min. & Sci. Press, vol. 93, p. 14. 1½ columns.

General Principles Governing Operation of Mines. Min. & Sci. Press, vol. 93, p. 81. 3½ columns.

Superintendence of Labor at a Colliery, England. Coll. Working and Management, p. 64. 9 pages. I.

Arrangement of Labor and System of Wages. Coll. Working and Management, p. 74. 24 pages.

The Practical Management of Collieries, England. Coll. Working and Management, p. 48. 15½ pages.

Administration of Rand Mines. Witwatersrand Gold-Fields, p. 429.

Real Values in Mine Management. By C. H. Fitch. Min. & Sci. Press, vol. 87, p. 85. 2 columns.

Sensible Mine Rules. Min. & Sci. Press, vol. 88, p. 125. 1½ columns.

A Code of Mine Regulations. Min. & Sci. Press, vol. 88, p. 128. 2 columns.

Accessibility as a Factor in Mining and Related Business. By C. H. Fitch. Min. & Sci. Press, vol. 87, p. 371. 1½ columns.

Mine Management and Mismanagement. Min. & Sci. Press, vol. 76, p. 566. 2 columns.

Mine Management. Min. & Sci. Press, vol. 77, p. 549. 1 column.

Requisites of Mine Management. Min. & Sci. Press, vol. 79, p. 226. ¾ column.

Mine Management. Min. & Sci. Press, vol. 79, p. 457. 3 columns. I.

The Management of Men. Engineering, London, vol. 66, p. 527. 2⅓ columns.

Between the Mine and the Smelter. By A. R. Ledoux. Sch. Mines Quart., vol. 19, p. 358. 14½ pages. I.

Mine Management: The Successful *vs.* the Unsuccessful Manager. By C. Dixon. M. & M., vol. 27, p. 7. 4 columns.

Division and Supervision of Underground Work in a Coal Mine. By W. H. Bailey. M. & M., vol. 26, p. 405. 2 columns.

Mine Management in the Kanawha Valley, with Particular Reference to Economical Methods of

Working. By M. C. Schutz. M. & M., vol. 19, p. 225. 2¼ columns.

Improved Mine Management. By F. C. Keighley. M. & M., vol. 19, p. 490. 1¾ columns.

Coöperative Mine Management. E. & M. J., vol. 50, p. 68. 1 column.

A Few Suggestions from the Experience of an Ex-Private Inspector: Requisitions, Pumps, Timbering and Coal Mining. M. & M., vol. 26, p. 31. 6 columns. I.

Smelter Administration. By Herbert Haas. E. & M. J., vol. 82, p. 1162. 7 columns.

The Coal Mine Operator versus the Public: Peculiar Conditions which have Resulted in Criticism of Operators by the General Public. By Herman Justi. M. & M., Nov., 1904, p. 195; June, 1901, p. 496; vol. 26, p. 91, note.

Japanese Coal Mines: A Brief Outline of the Mining Department of the Hokkaido Colliery and Railroad Company, Japan. By K. Yonekra. M. & M., Mar., 1904, p. 349. 9 columns.

Inside Glimpses of Mining Management. E. & M. J., vol. 27, p. 128. 1½ columns.

The Responsibility of Mining Engineers and Mining Directors. By H. J. C. Williams. J. C. M. I., vol. 9, p. 281. 5 pages.

System in an Engineering Office. By W. E. Fohl. P. E. Soc. W. Pa., vol. 19, p. 366. 14 pages.

Economy in Mining. Min. & Sci. Press, vol. 89, p. 386. ¾ column.

Equipment and Longevity of Mines: Government and Private Working. Min. & Sci. Press, vol. 90, p. 114. ⅔ column.

Extravagance in Silver Mining: Facts from the Gould and Curry. Am. Jour. Min., vol. 4, p. 226. 1¼ columns.

Mining Mismanagement. Min. & Sci. Press, vol. 19, p. 386. 1¼ columns.

Removing Officers of Mining Companies. Min. & Sci. Press, vol. 27, p. 209. 1½ columns.

Economical Mine Management and its Results. Min. & Sci. Press, vol. 28, p. 104. ¾ column.

History of the Schenectady Mine: Case of Mismanagement, False Economy, etc. Min. & Sci. Press, vol. 28, p. 70. 1⅔ columns.

The Greatest Need of Our Mining Districts: Capital. Min. & Sci. Press, vol. 25, p. 396. ½ column.

Mines, Miners and Monopolies. Min. & Sci. Press, vol. 72, pp. 45, 64, 84, 104, 124, 167.

The Laws by which we are Governed in Our Business of Mining. By T. S. Wilkinson. T. N. S. I. M. & M. E., vol. 9, p. 231, 7 pages; p. 279, 2 pages; p. 286, 12 pages; p. 308, 4 pages.

Management of American Gold Mines. By J. H. Curle. E. & M. J., vol. 76, p. 384. 1⅕ columns.

Some Business Aspects of a Mine. Min. & Sci. Press, vol. 77, p. 81. 1½ columns.

Some Opinions on Mine Management. Min. & Sci. Press, vol. 78, p. 153. 1¾ columns.

Mexican Methods of Mine Management and Operation. Min. & Sci. Press, vol. 78, p. 456. 4½ columns.

Number of Laborers and Management of the Mining Forces at Almaden: Administration. Min. & Sci. Press, vol. 38, p. 34, 1½ columns; p 54, 2 columns.

Mine Management. Min. & Sci. Press, vol. 35, p. 120. ¾ column.

Looking after Mine Managers. Min. & Sci. Press, vol. 35, p. 376. ¾ column.

Accountability for Mine Management. Min. & Sci. Press, vol. 36, p. 290. ¾ column.

Notes on the Management of Mining Companies. By H. A. Thompson. Min. & Sci. Press, vol. 25,

p. 322, 3 columns; p. 338, 3⅓ columns; vol. 26, p. 40, 1 column +.

ABSENTEE MINING. E. & M. J., vol. 14, p. 41. 1½ columns.

ABSENTEE MANAGEMENT OF MINES. E. & M. J., vol. 16, p. 423. 1 column.

THE SMALL ECONOMIES IN MINING. By H. West. J. C. M. I., vol. 3, p. 11. 10 pages.

THE PROPER MANAGEMENT OF MINING ENTERPRISES. Am. Jour. Min., vol. 7, p. 362. 1 column +.

MINES AND MANAGEMENT. By R. Archibald. T. F. C. M. I., vol. 2, p. 251. 12 pages.

THE MANAGEMENT OF WEST AUSTRALIAN MINES. By J. H. Curle. E. & M. J., vol. 77, p. 236. 1½ columns.

MINING BOARDING HOUSES. Min. & Sci. Press, vol. 41, p. 338. ½ column.

COMPANY STORES: Evils of. Min. & Sci. Press, vol. 49, p. 198. ½ column.

COMPANY STORES IN THE PENNSYLVANIA ANTHRACITE FIELDS. The Anthracite Coal Industry, p. 136. 15 pages.

THE "BOB-TAIL" CHECK. The Anthracite Coal Industry, p. 148. Note.

COMPANY LAW. By J. M. Clark. J. C. M. I., vol. 4, p. 244. 9 pages.

CHICAGO MINING COMMISSIONS. Min. & Sci. Press, vol. 72, p. 46. Table.

THE RESPONSIBILITY OF PARTIES WHO GRUBSTAKE. Min. & Sci. Press, vol. 84, p. 3. Note.

Mine Organization

COMMERCIAL MINE ORGANIZATION: Diagram Showing Grade of Each Official. M. & M., vol. 22, p. 534. 6 columns.

SUGGESTIONS FOR MINE STAFF ORGANIZATION. By J. B. Aarons. E. & M. J., vol. 83, p. 1194. 7½ columns.

COMMERCIAL MINE ORGANIZATION: The Advantages of a Systematic Organization of the Mine and Office Force; Bookkeeping Suggestions. By C. V. Jenkins. M. & M., July, 1902, p. 534. 6½ columns.

THE ORGANIZATION AND DEVELOPMENT OF DOMINION COAL COMPANY. By J. S. McLennan. J. M. Soc. N. S., vol. 3, p. 76. 5 pages.

NOTES ON ENGINEERING WORKSHOP ORGANIZATION. By R. D. T. Heap. Engineering, London, vol. 79, p. 262, 9 columns; p. 294, 8 columns.

RAILROAD ORGANIZATION (as a type). R. R. Gazette, vol. 49, p. 486.

DETAILED STORE DEPARTMENT ORGANIZATION. By F. D. Reed. The Railway Age, May 29, 1908, p. 773.

ORGANIZATION OF LABOR IN ALMADEN MINES. Min. & Sci. Press, vol. 37, p. 326. 1½ columns.

Mine Managers and Superintendents

MINING SUPERINTENDENTS. Min. & Sci. Press, vol. 39, p. 392. ½ column.

THE POWERS OF MINING SUPERINTENDENTS. Min. & Sci. Press, vol. 40, p. 210. ⅓ column.

MINING SUPERINTENDENTS: Kinds. Min. & Sci. Press, vol. 41, p. 205. ⅓ column.

FANCY MINE SUPERINTEDENTS. Min. & Sci. Press, vol. 44, p. 50. ½ column.

THE MINE OR THE SUPERINTENDENT. Min. & Sci. Press, vol. 44, p. 344. ½ column.

MINING SUPERINTENDENTS. Min. & Sci. Press, vol. 50, p. 284. ⅔ column.

MINE MANAGERS. Min. & Sci. Press, vol. 50, p. 302. ¾ column.

MINING MANAGEMENT. Min. & Sci. Press, vol. 50, p. 410. 1 column.

A THEORY AS TO THE MANAGEMENT OF MINING EMPLOYEES. Min. & Sci. Press, vol. 52, p. 406. 1½ columns.

THE COLLIERY MANAGER. By Wm. D. L. Hardie. J. C. M. I., vol. 9, p. 200. 10 pages.

The Mine Foreman. Min. & Sci. Press, vol. 93, p. 63. 1½ columns.

Responsibilities of Australian Mine Managers. By R. B. Lamb. Min. & Sci. Press, vol. 91, p. 155. 1⅙ columns.

Workings of a Manager's Mind. By C. H. Fitch. Min. & Sci. Press, vol. 84, p. 65. 1½ columns.

Mine Manager's Requirements. Min. & Sci. Press, vol. 91, p. 239. 1½ columns.

Management: About Foremen. Min. & Sci. Press, vol. 93, p. 346. 1 column.

Mine Superintending. By E. Rammelmeyer. Min. & Sci. Press, vol. 90, p. 140. 1⅔ columns.

An Alleged Wrong among Miners: Discrimination by Cornish Foremen. Min. & Sci. Press, vol. 23, p. 193. 1½ columns.

Handling Men Underground. By R. B. Nickerson. Min. & Sci. Press, vol. 92, p. 144. 1 column.

Training of Colliery Managers. By W. Fairley. Coll. Engr., vol. 10, p. 65. 2½ columns.

The Duties of Directors and the Importance of Detailed Reports. E. & M. J., vol. 43, p. 254. 1 column.

Mine Inspection Service of Pennsylvania: History, etc. M. & M., vol. 27, p. 411. 10 columns. I.

Inspection of Mines. Am. Jour. Min., vol. 7, p. 162, 4 columns; p. 226, 1⅔ columns.

Weight-Recording Board. M. & M., Aug., 1902, p. 4. 1 column.

Mine Superintendents. Min. & Sci. Press, vol. 53, p. 52. ⅔ column.

Mining Directors and Superintendents. Min. & Sci. Press, vol. 53, p. 185. ¾ column.

Good Mining Superintendents. Min. & Sci. Press, vol. 57, p. 11. ½ column.

Comstock Superintendents' Salaries. Min. & Sci. Press, vol. 61, p. 216. ¾ column.

Duties of Mining Superintendents: Decision. Min. & Sci. Press, vol. 64, p. 297. 2 columns.

Mine Superintendents' Salaries. E. & M. J., vol. 65, p. 586.

Mine Accounts and Bookkeeping

Regulating Mill Returns in the Transvaal. By A. Selwyn-Brown. E. & M. J., vol. 83, p. 277. 2 columns.

Card System of Accounting for Mining Supplies. By W. M. Jeffery. T. L. S. M. I., vol. 11, p. 152. 10 pages.

Purchasing Silver, Gold and Lead Ores. By H. Van F. Furman. Sch. Mines Quart., vol. 15, p. 1. 7 pages.

Standardization of Mine Accounts. By H. G. Nichols. Min. & Sci. Press, vol. 92, p. 313. 5¾ columns.

Value of Mine Cost Sheet. Min. & Sci. Press, vol. 90, p. 384. 1 column.

A System of Coal-Mine Accounting. By F. A. Hill. E. & M. J., vol. 83, p. 624. 4¾ columns.

Mine Accounts: Wage Bills and Cost Sheets. Colliery Working and Management, p. 99. 10 pages.

Mining Accounts and Cost Sheets. By A. G. Charleton. T. I. M. & M., vol. 5, p. 243.

Cost Accounts. E. & M. J., vol. 45, p. 320. ⅔ column.

Segregation of Mine Accounts. By W. B. Middleton. T. I. M. & M., vol. 8, p. 305.

A Method of Cost Accounting, with Special Reference to Mines. By J. E. Hardman. J. C. M. I., vol. 3, p. 37. 31 pages.

Notes upon a Practical Method of Ascertaining the Value or Price to be Paid for Zinc Mineral. By

H. D. Hoskold. T. F. I. M. E., vol. 5, p. 93, 12 pages; vol. 7, p. 228, 2 pages.

METALLURGICAL ACCOUNTS. By P. Argall. Min. & Sci. Press, vol. 93, p. 573, 7¾ columns; p. 722, 8 columns; p. 750, 11 columns.

COLLIERY COST-SHEETS. By J. J. Prest. T. F. I. M. E., vol. 8, p. 326, 5 pages; vol. 9, p. 239, 4 pages.

MINE ACCOUNTS. By A. J. Yungbluth. T. L. S. M. I., vol. 5, p. 21. 20 pages.

GOLD MINE ACCOUNTS. E. & M. J., vol. 76, p. 44. 1½ columns.

MINE ACCOUNTING. By W. M. Jeffery. T. L. S. M. I., vol. 9, p. 48. 15 pages. I.

A CARD SYSTEM FOR MINE SUPPLY ACCOUNTS. By F. W. Denton. T. L. S. M. I., vol. 9, p. 114. 4 pages. I.

FACTORY ACCOUNTS. By Garcke and Fells. Engineer's Magazine, July, 1904.

THE TOP-HEAVY SYSTEM OF MINING: Distribution of Costs and Expenses. Min. & Sci. Press, vol. 41, p. 232. 1¼ columns.

MEMORANDA SHOWING THE PER CENT OF DIFFERENT EXPENSE ACCOUNTS IN MINING HEMATITE ORE AT THE MANHATTAN MINE, SHARON STATION, N. Y. By J. F. Lewis. T. A. I. M. E., vol. 6, p. 172.

COST-ACCOUNTS OF GOLD-MINING OPERATIONS, COLORADO. By T. H. Sheldon. T. A. I. M. E., vol. 37, p. 91. 37 pages. I.

MINE ACCOUNTING AT MINERSVILLE, N. Y. By A. E. Hodgkins. E. & M. J., vol. 82, p. 530. 12 columns.

MINE ACCOUNT KEEPING IN THE BUTTE COPPER MINES. M. & M., vol. 21, p. 158. ¼ column.

THE CARD SYSTEM OF ACCOUNTING. E. & M. J., vol. 81, p. 142. 2 columns.

MINE ACCOUNTS ON THE RAND. Gold Mines of the Rand, p. 263. 10 pages.

AUDITING: A Mining Company's Accounts; Importance of an Audit, the Difficulties Met and Methods Applicable. By C. V. Jenkins. M. & M., June, 1902, p. 486. 5 columns.

THE AUDITING OF A MINING COMPANY'S ACCOUNTS. By Chas. V. Jenkins. T. A. I. M. E., vol. 33, p. 91.

MINE ACCOUNTS. Coll. Engr., vol. 10, p. 283. 2 columns.

GOLD MINING ACCOUNTS. E. & M. J., vol. 76, p. 229. 1¼ columns.

MINE ACCOUNTS. E. & M. J., vol. 76, p. 304, 2¾ columns; p. 537, 1¼ columns.

SUBDIVISION OF MINING ACCOUNTS. By E. Ludlow. E. & M. J., vol. 52, p. 566. 1 column.

KEEPING IRON MINE ACCOUNTS. By A. J. Yungbluth. E. & M. J., vol. 66, p. 334. 1½ columns.

CARD SYSTEM OF MINING ACCOUNTS. E. & M. J., vol. 76, p. 843. ⅞ column.

DIAGRAM ACCOUNTS FOR ENGINEERING WORK: Cost Keeping. By J. Jameson. Engineering, London, vol. 64, p. 603. 4 columns. I.

CARD SYSTEM FOR MINE ACCOUNTS. E. & M. J., vol. 76, p. 574. 2 columns.

RECORDING THE OUTPUT OF A MINE: A System of Securing Detailed Record of Ore Production, Distinguishing Shipments, and Identifying Returns. By Chas. V. Jenkins. M. & M., Sept. 1902, p. 54. 7 columns.

THE WORK OF A PURCHASING DEPARTMENT. Min. & Sci. Press, vol. 94, p. 792. 3 columns.

FIGURING MINING COSTS: Mine Bookkeeping. Min. & Sci. Press, vol. 87, p. 266. ¼ column.

COSTS IN MINING: Factors Entering into it. Min. & Sci. Press, vol. 88, p. 1. 1½ columns.

COLLIERY BOOKKEEPING AND ACCOUNTS. By W. W. E. Shaw. T. I. M. E., vol. 21, p. 293. 11 pages.

BOOKKEEPING FOR MINES. By S. I. Hallett. Min. & Sci. Press, vol. 80, p. 66. 3½ columns.

ENGINEERING METHODS IN BOOKKEEPING. By A. C. Perrine. E. & M. J., vol. 56, p. 189. 2½ columns. I.

THE MYSTERIES OF BOOKKEEPING FOR STOCKHOLDERS. E. & M. J., vol. 23, p. 69. 2½ columns.

System for Keeping Mining Notes: Filing and Card Systems

A MINING ENGINEER'S SCRAP-BOOK. By W. S. Gresley. E. & M. J., vol. 71, p. 337. 2½ columns.

A CATALOGUE AND CLIPPING CASE. By W. T. Magruder. Soc. P. E. E., vol. 7, p. 165. I.

A SYSTEM OF FILING CURRENT INFORMATION. E. & M. J., vol. 77, p. 247. 3 columns.

THE CARD INDEX. E. & M. J., vol. 77, p. 288. 1 column.

FILING NOTES AND CLIPPINGS. E. & M. J., vol. 78, p. 310, 1¼ columns; p. 189, ¾ column.

WAY-LEAVES. E. & M. J., July 22, 1893, p. 82.

A FILING SYSTEM FOR MINING ENGINEERS. By W. S. Brown. Min. & Sci. Press, vol. 94, p. 464. 4 columns. I.

KEEPING AND INDEXING NOTES. Min. & Sci. Press, vol. 81, p. 286. 1⅓ columns.

LOOSE-LEAF BINDERS. By J. H. Haertter. M. & M., vol. 28, p. 357. 10½ columns. I.

THE CARD SYSTEM IN COLORADO. E. & M. J., vol. 84, p. 985. 1¾ columns.

FILING SYSTEM FOR OFFICE USE: A Method of Preserving Catalogues, Photos, Drawings, etc., so That They May be Readily Consulted. By H. M. Lane. M. & M., Apr., 1903, p. 415. 2½ columns.

Amortization and Depreciation

GOLD MINE RESERVE FUND. Min. & Sci. Press, vol. 90, p. 164. ⅝ column.

SINKING FUNDS FOR MINING COMPANIES. E. & M. J., vol. 65, pp. 487, 546, 578.

THE AMORTIZATION OF MINING STOCKS. E. & M. J., vol. 74, p. 508. 1¼ columns.

AMORTIZATION. E. & M. J., vol. 77, p. 875. 2 columns.

AMORTIZATION. Min. & Sci. Press, vol. 84, p. 140. ¼ column.

DEPRECIATION FUNDS. E. & M. J., vol. 76, p. 381, ⅞ column; p. 498, 1¼ columns.

NEW CONSTRUCTION AND DEPRECIATIONS IN MINE ACCOUNTS. E. & M. J., vol. 76, p. 690. 1½ columns.

DEPRECIATION. Engineering, London, vol. 66, p. 113. 3 columns.

ON COLLIERY DEPRECIATION. By J. B. Smith. T. F. I. M. E., vol. 2, p. 211, 4 pages; vol. 3, p. 119.

THE DEPRECIATION OF PLANTS. By R. W. Raymond. E. & M. J., vol. 82, p. 931. 2¼ columns.

DEPRECIATION OF SMELTING PLANTS. E. & M. J., vol. 82, p. 1084, 1 column; p. 1133, 3½ columns.

THE QUESTION OF INITIAL PAYMENTS ON BONDS. By H. West. T. F. C. M. I., vol. 2, p. 206. 4 pages.

NOTES UPON THE REDEMPTION OF CAPITAL INVESTED IN COLLIERIES. By H. D. Hoskold. T. F. I. M. E., vol. 3, p. 735. 11 pages.

THE PAYMENT OF EXTENSIONS OF MINING PLANT OUT OF REVENUE. E. & M. J., vol. 76, p. 48. 2½ columns.

Stock and Stockholders

THE RIGHTS OF STOCKHOLDERS AND THE WRONGS OF DIRECTORS. E. & M. J., vol. 28, p. 66. 1 column.

THE DUTIES OF STOCKHOLDERS. Am. Jour. Min., vol. 4, p. 40. 1 column.

The Rights of Stockholders. Am. Jour. Min., vol. 4, p. 56. ⅔ column.

The Perils of Stock Speculation. Min. & Sci. Press, vol. 38, p. 184. ⅞ column.

Rights of Stockholders. Min. & Sci. Press, vol. 39, p. 136. 1½ columns.

Protecting Stockholders in Mining Corporations. Min. & Sci. Press, vol. 40, p. 65. 1 column.

Dissatisfied Stockholders. Min. & Sci. Press, vol. 32, p. 401, ⅔ column; vol. 33, p. 400, 2½ columns.

Rights of Stockholders. Min. & Sci. Press, vol. 34, p. 71. ⅔ column.

Directors and Stockholders. E. & M. J., vol. 58, p. 386. ½ column.

Personal Suffrage in Mining Companies. Min. & Sci. Press, vol. 34, p. 98. 3¼ columns.

Rights of Stockholders. Min. & Sci. Press, vol. 34, p. 186. ¾ column.

Protection to Stockholders. Min. & Sci. Press, vol. 28, p. 200. ½ column.

Liability of Stockholders. Min. & Sci. Press, vol. 63, p. 262. ½ column.

Mining Stockholders' Rights. Min. & Sci. Press, vol. 60, p. 435. 3 columns.

Stockholders and Mines. Min. & Sci. Press, vol. 30, p. 156.

Rights of Stockholders. Min. & Sci. Press, vol. 31, p. 353. ½ column.

Liability of Stockholders. Min. & Sci. Press, vol. 32, p. 226. ⅔ column.

Mines vs. Stocks. Min. & Sci. Press, vol. 32, p. 344. ¾ column.

Assessable and Non-Assessable Stock. Min. & Sci. Press, vol. 39, p. 177. ½ column.

Assessable vs. Non-Assessable Stock. Min. & Sci. Press, vol. 79, p. 630. ¾ column.

"Ipse" and "Wash" Sale of Mining Stock. Min. & Sci. Press, vol. 82, p. 92. Note.

Corporations: Stocks Defined. Min. & Sci. Press, vol. 93, p. 87. 1 column.

Watered Stocks. M. & M., Apr., 1901, p. 403. ½ column.

Mining Stocks. Min. & Sci. Press, vol. 34, p. 312. 1 column.

Stockholders and Mining Stocks. Min. & Sci. Press, vol. 35, p. 385. 1⅓ columns.

Stock Operations vs. Mining. Min. & Sci. Press, vol. 37, p. 57. ¾ column.

Advancement in Mining Stock Gambling and Results. Min. & Sci. Press, vol. 37, p. 370. ⅞ column.

Protection of Shareholders in English Mining Companies. E. & M. J., vol. 75, p. 483. 2 columns.

The Economics of Joint Stock Companies, and the Laws Relating to Their Incorporation. By J. Bawden. T. F. C. M. I., vol. 2, p. 181. 19 pages.

Mine Investments

Financing Some Deep-Level Mines in the Transvaal. E. & M. J., vol. 74, p. 517. 1½ columns.

The Comstock Lode: Rise and Fall of Stock. E. & M. J., vol. 36, p. 17. 1 column.

The Prevention of Leaks at Mines: The Importance of System and Attention to the Little Things. By L. C. Morganroth. M. & M., vol. 21, p. 8. 1¾ columns.

How to Make Mining Investments Remunerative. By W. S. Keyes. Am. Jour. Min., vol. 2, p. 90, 1½ columns; p. 107, 1 column; p. 201, 2¼ columns.

Does Mining Pay? Am. Jour. Min., vol. 1, p. 121. ⅔ column.

Some Gold Mining Investments. By J. H. Curle. E. & M. J., vol. 75, p. 711. 2 columns.

American Gold Mines. By J. H. Curle. E. & M. J., vol. 79, p. 1149. 2½ columns.

An Analysis of Mining Investments: Exhaustive Comparison of Equipments, etc. E. & M. J., vol. 78, p. 141. 2 columns.

A Mine on Paper. E. & M. J., vol. 36, p. 98. Note.

A Profitless Bonanza: The Consolidated California and Virginia Mine. E. & M. J., vol. 54, p. 410. 1½ columns.

The Comstock Situation. E. & M. J., vol. 49, p. 529. ¼ column.

Mining is a Legitimate Business to Such Who Make it So. By J. E. Clayton. E. & M. J., vol. 27, p. 88. 1½ columns.

Mining as an Investment. E. & M. J., vol. 33, p. 37. 1⅕ columns.

The Causes of Past Failures in the San Juan Country: Causes Tabulated. E. & M. J., vol. 32, p. 284. 1½ columns.

The Prevention of Mine Litigation. By F. T. Freeland. E. & M. J., vol. 58, p. 272. 1 column.

Advantages of Incorporations to Mining. Min. & Sci. Press, vol. 40, p. 95. 1 column.

Buying and Selling Mines. Min. & Sci. Press, vol. 71, pp. 53; 137, vol. 70, pp. 394, 410.

Selling Mines. Min. & Sci. Press, vol. 72, p. 357. 1 column.

Legitimate Labor vs. Speculation. Min. & Sci. Press, vol. 26, p. 73. 1 column.

Working Mines vs. Selling Mines. Min. & Sci. Press, vol. 26, p. 378. ⅔ column.

Mining as a Legitimate Enterprise. Min. & Sci. Press, vol. 29, p. 88. 1½ columns.

Is Mining a Legitimate Business? Min. & Sci. Press, vol. 29, p. 170. ⅔ column.

Bonding and Selling Mines. Min. & Sci. Press, vol. 51, p. 275, 1 column; vol. 53, p. 136, 1¼ columns.

Bonding Mines: Blank Forms. Min. & Sci. Press, vol. 72, p. 354. 2 columns.

Responsibility in Mining Enterprises. By T. B. Comstock. E. & M. J., vol. 27, p. 200, 1⅓ columns; p. 217, 1 column.

Mining as a Science and as an Investment. E. & M. J., vol. 10, p. 124. ⅔ column.

Some Aspects of Mining Finance. E. & M. J., vol. 76, p. 802, 2½ columns; p. 840, 2 columns; p. 882, 1 column; p. 919, 1 column; p. 994, 1½ columns.

Subsidies to Mining in New Zealand. Min. & Sci. Press, vol. 53, p. 280. ¾ column.

Gold Mining Investments. By J. H. Curle. E. & M. J., vol. 75, p. 441. 2 columns.

Causes of Failure in Mining. E. & M. J., vol. 75, p. 177. 2 columns.

Some Aspects of Mine Finance. E. & M. J., vol. 77, p. 153. 1¾ columns.

The Duty of Directors. E. & M. J., vol. 46, p. 147. 1 column.

Mining Dividends are not Always Judicious. Min. & Sci. Press, vol. 40, p. 273. ½ column.

Dividends vs. Reputation. E. & M. J., vol. 25, p. 55. ½ column.

Dividend Paying Mines, South Africa. T. I. M. & M., vol. 9, p. 67.

How Mines are Floated in London. E. & M. J., vol. 43, p. 381, ⅔ column; p. 418, ⅔ column.

Another Aspect of Mining Finance. E. & M. J., vol. 77, p. 675. 2 columns.

Concerning Pools. E. & M. J., vol. 78, p. 397. 1 column.

English Investments in the Pacific Coast Mines. Min. & Sci. Press, vol. 46, pp. 306, 345, 357, 364, 434.

American Mines and British Owners. Min. & Sci. Press, vol. 27, p. 266. 1⅓ columns.

American Mines in London. Min. & Sci. Press, vol. 27, p. 264. 1¼ columns.

California Gravel Mines in England. Min. & Sci. Press, vol. 27, p. 360, 1 column; vol. 28, p. 34, 3½ columns.

Home Capital vs. Foreign Capital. Min. & Sci. Press, vol. 28, p. 182. ¾ column.

Foreign Corporations and American Mines. Min. & Sci. Press, vol. 29, p. 18. 1½ columns.

An English View of Some American Gold Mines. By J. H. Curle. E. & M. J., vol. 75, p. 82, 1¾ columns; p. 149, 2⅔ columns. I.

American Gold Mines. By J. H. Curle. E. & M. J., vol. 76, p. 384. 1¼ columns.

Mining Risks, and Frauds, etc.

Mining Risks. E. & M. J., vol. 75, p. 510. ¾ column.

The Bear's Nest, Alaska, Swindle, and Who Profited by It. E. & M. J., vol. 48, p. 377, 1 column; p. 493, ⅓ column; p. 519, ⅓ column.

The Mining Frauds of Arkansas. E. & M. J., vol. 46, p. 128, 1½ columns; p. 168, ⅔ column; p. 325, 3 columns.

Misrepresentations of Mines and Mining Investments. E. & M. J., vol. 76, pp. 456, 457.

Mistakes in Mining. By G. C. Tilden. E. & M. J., vol. 36, p. 169. ¾ column.

No Liability Companies. E. & M. J., vol. 78, p. 381. 2 columns.

Gambling and Mining. E. & M. J., vol. 42, p. 416. 2 columns. I.

Professional Responsibility. E. & M. J., vol. 77, p. 673. 1⅓ columns.

Rand Finance. By J. H. Curle. E. & M. J., vol. 78, p. 820. 1¾ columns.

Another Aspect of Mining Finance. E. & M. J., vol. 78, p. 51. 1½ columns.

Modern Company, Finance. E. & M. J., vol. 78, p. 1027. 3 columns.

The Comstock Mill Ring Swindles in Photograph. E. & M. J., vol. 52, p. 722. 1 column. I.

Milling and Mining in the Comstock Lode. E. & M. J., vol. 50, p. 161. 1 column.

How Comstock Stockholders are Swindled. E. & M. J., vol. 50, p. 356. 1 column.

The Loot of the C. C. and Virginia Mine. E. & M. J., vol. 54, p. 411. 1 column.

An Old Comstock Dodge. E. & M. J., vol 55, p. 126. 1 column.

The Loot of the Comstock Mines. E. & M. J., vol. 52, p. 266, ¾ column; p. 498, ½ column.

Comstock Mill Scandal. E. & M. J., vol. 51, pp. 228, 661.

Comstock Dividends and Stealing. E. & M. J., vol. 51, p. 346. ½ column.

Where Comstock Dividends Go. E. & M. J., vol. 51, p. 491. 1 column.

"Little Joker" System of Stealing in Comstock Mills. E. & M. J., vol. 51, p. 603. 1½ columns.

Why Mining Ventures Fail in Spanish America. By L. Janin. E. & M. J., vol. 52, p. 644. 1⅓ columns.

"Wild-Cat" and "Tame-Cat" Directors. M. & M. vol., 25, p. 512. Note.

Wild-Cat Mines in Michigan. E. & M. J., vol. 45, p. 158. ½ column.

Official Outrage. E. & M. J., vol. 14, pp. 297, 298. 1¾ columns.

The Lake Superior Tin Swindle. Min. & Sci. Press, vol. 27, p. 104. ¾ column.

The Extrinsic Burdens of Mining: Fraud, etc. Min. & Sci. Press, vol. 39, p. 8. 1 column.

Detestable Frauds. Min. & Sci. Press, vol. 39, p. 390. ¾ column.

Fraudulent Representations in Mining. Min. & Sci. Press, vol. 40, p. 104. ¾ column.

On Mining Frauds. Min. & Sci. Press, vol. 59, p. 374. 2½ columns.

Risks of Mining. Min. & Sci. Press, vol. 68, p. 386. 1 column.

A Mining Swindle. Min. & Sci. Press, vol. 31, p. 322. 1 column.

Swindling Mining Companies. Min. & Sci. Press, vol. 32, p. 88. ¾ column.

The Emma Mine Scandal. Min. & Sci. Press, vol. 32, p. 232. 1 column.

Mining vs. Speculative Robbery. Min. & Sci. Press, vol. 34, p. 114. 1 column.

Exploitation vs. Honest Mining: Illustrating Tendency to Speculation. Min. & Sci. Press, vol. 18, p. 346. 1½ columns.

Mining vs. Stock Jobbing. Min. & Sci. Press, vol. 19, p. 370. 1¼ columns.

Mining vs. Speculation. Min. & Sci. Press, vol. 26, p. 225. 1 column.

Mining as an Investment. Min. & Sci. Press, vol. 26, p. 298. 2½ columns.

How the Comstock Mill Ring has Made Millions. E. & M. J., vol. 54, p. 3, 1¼ columns; p. 148, 1 column.

Recent Agitation Concerning Mining Frauds. By H. C. Beeler. M. & M., vol. 27, p. 304. 2 columns.

Gambling in Mines in San Francisco. E. & M. J., vol. 23, p. 103, ⅔ column; p. 123, 1 column.

Fake Mining Schemes. E. & M. J., vol. 81, p. 379. 2⅓ columns.

The Vultures of Our Mining Interests. Min. & Sci. Press, vol. 25, p. 402. ¾ column.

Jumping Claims. Min. & Sci. Press, vol. 34, p. 257. 1½ columns.

Arts of the Mine Promoter. By W. H. Storms. Min. & Sci. Press, vol. 92, p. 25. 1½ columns.

Rating and Taxation of Mining Property

Taxation of Mines in Colorado. E. & M. J., vol. 35, p. 83, ⅔ column; p. 85, 1½ columns.

Taxation of Undeveloped Mining Claims. Min. & Sci. Press, vol. 19, p. 284. 2⅔ columns.

Taxation of Mines in Mexico. Min. & Sci. Press, vol. 65, p. 220. 3 columns.

Mine Taxation in Minnesota. E. & M. J., vol. 84, p. 593. 1⅞ columns.

Taxation of Collieries. By A. Hassam. T. I. M. E., vol. 29, p. 90. 20 pages.

Iron Mine Assessments in Minnesota. By D. E. Woodbridge. E. & M. J., vol. 84, p. 967. 3 columns.

Colliery Assessments and the Rating of Mining Machinery. By G. Humphreys-Davies. T. F I. M. E., vol. 3, p. 773. 16 pages.

The Rating of Coal-Mines. By A. Smith. T. I. M. E., vol. 18, p. 171, 7 pages; p. 228, 22 pages.

Taxation of Mining Property in Arizona. E. & M. J., vol. 42, p. 26. 1 column.

The Rating of Mines. By E. J. Castle. T. F. I. M. E., vol. 7, p. 428, 16 pages; vol. 3, p. 773.

Taxpayers' Associations, Their Origin and How They have been Operated in the Anthracite Coal Region. By J. S. Foster. M. & M., vol. 20, p. 345. 5½ columns.

Appraisal of Mineral Lands. E. & M. J., vol. 78, p. 515. 2¼ column.

Tax-Titles to Mining Claims. E. & M. J., vol. 11, p. 184. 1⅔ columns.

The Taxation of Mines. E. & M. J., vol. 11, p. 185. ½ column.

MAPS

Maps of Countries and Districts

MAP OF RHODESIA AND THE TRANSVAAL. E. & M. J., vol. 83, p. 995. I.

MAP OF NEVADA, 1907. Min. & Sci. Press, vol. 94, p. 129. I.

MAP OF THE MINERAL REGION NEAR BIRMINGHAM, ALABAMA, SHOWING RAILROADS, MINES, FURNACES AND PROMINENT GEOLOGICAL FEATURES. T. A. I. M. E., vol. 19, p. 312, plate IV.

THE OTAVI COPPER AND LEAD MINES. By J. H. Knight. E. & M. J., vol. 83, p. 1142. 4 columns. Map.

MAP SHOWING THE KEWEENAW COPPER RANGE. T. L. S. M. I., vol. 12 (end of vol.). I.

MAP OF CALIFORNIA, SHOWING DISTRICTS. Min. & Sci. Press, vol. 21, p. 13. I.

MAP OF THE MINING REGIONS AROUND PRESCOTT, ARIZONA. E. & M. J., vol. 36, p. 32. I.

MAP OF THE ATLIN MINING DISTRICT. E. & M. J., vol. 81, p. 703. I.

MAP OF PORTION OF URAL MOUNTAINS, RUSSIA. E. & M. J., vol. 77, pp. 722–723. I.

MAP OF THE MINING DISTRICT OF GUANAJUATO, MEXICO. E. & M. J., vol. 55, p. 296, I.; vol. 77, p. 598, I.

MAP OF DEATH VALLEY AND PANAMINT DISTRICTS, INYO COUNTY, CALIFORNIA. E. & M. J., vol. 80, p. 915. I.

MAP OF THE DUTCH EAST INDIES. E. & M. J., vol. 75, p. 364. I.

MAP OF THUNDER MOUNTAIN AND VICINITY. E. & M. J., vol. 75, p. 478. I.

MAP OF THE MINING DISTRICT OF H. DEL PARRAL. E. & M. J., vol. 75, p. 217. I.

MAP OF SANTIAGO DE CUBA, SHOWING ORE-DEPOSITS. T. A. I. M. E., vol. 35, pp. 310, 311.

MAP OF AUSTRALIA, SHOWING MINING DISTRICTS. T. F. I. M. E., vol. 7, plate 17. I.

MAPS OF BORNEO, SUMATRA, JAVA: T. F. I. M. E., vol. 3, p. 354. I.

MAP OF THE ARGENTINE REPUBLIC. T. F. I. M. E., vol. 3, p. 446. I.

MAP OF PERU AND BOLIVIA. T. F. I. M. E., vol. 3, p. 772. I.

MAP OF THE DUTCH EAST INDIES. T. I. M. & M., vol. 10, p. 86. I.

MAP OF THE PRINCIPAL MINES OF JAPAN. E. & M. J., vol. 56, p. 421. I.

MAP OF THE ALASKA-TREADWELL MINE. U. S. G. S., 18th Annl. Rept. pt. 3, p. 64. I.

MAPS OF SILVER BAY, COOK'S INLET, SHUMAGIN ISLANDS, ALASKA. U. S. G. S., 18th Annl. Rept., pp. 76, 80, 82. I.

MAP OF THE YUKON GOLD BELT AND ADJACENT REGIONS. U. S. G. S., 18th Rept., pt. 3, p. 254. I.

MAP OF GOLD PRODUCING REGIONS OF ARIZONA. E. & M. J., vol. 73, p. 795. I.

MAP OF NEW ZEALAND. T. F. I. M. E., vol. 3, p. 680. I.

MAP OF TASMANIA AND WEST COAST. T. I. M. & M., vol. 9, pp. 83 and 84. I.

MAP OF BRITISH GUIANA, SHOWING DIFFERENT GOLD CENTERS. T. I. M. & M., vol. 8, p. 366, plate 35.

MAP OF QUEENSLAND MINING DISTRICTS. T. F. I. M. E., vol. 13, plate 10. I.

MAP OF WESTERN AUSTRALIA, SHOWING THE INTERIOR GOLD REGIONS. T. F. I. M. E., vol. 14, plate 12. I.

MAP OF NEW ZEALAND, SHOWING THE HAURAKI GOLD-MINING DISTRICT. T. F. I. M. E., vol. 10, p. 416, plate 15.

MAP OF LEADVILLE GOLD BELT. E. & M. J., vol. 59, p. 76. I.

MAP OF THE TRANSVAAL GOLD-FIELDS. E. & M. J., vol. 61, p. 60.

COAL MINING IN COLORADO. By J. E. Hanes and F. W. Parsons. E. & M. J., vol. 82, p. 973. 5 columns. I.

THE BAKU PETROLEUM DISTRICT, RUSSIA. E. & M. J., vol. 73, p. 614. Map.

MAP OF THE COAL-FIELDS OF MISSOURI. T. A. I. M. E., vol. 35, p. 904. I.

MAP OF THE PRINCIPAL COAL, OIL, AND GAS AREAS IN THE UNITED STATES. Min. Mag., Sept., 1904. Frontispiece.

MAP SHOWING OCCURRENCE OF COALS AND ASPHALTS. T. I. M. E., vol. 23, plate 2. I.

NEW METHOD OF MAPPING THE ANTHRACITE COAL-FIELDS OF PENNSYLVANIA. By C. A. Ashburner. T. A. I. M. E., vol. 9, p. 506.

MAP OF IRON RANGES AND ORE-CARRYING RAILROADS OF MINNESOTA. T. L. S. M. I., vol. 8, p. 92. I.

MAP OF THE MARQUETTE RANGE (Iron), MICHIGAN. T. L. S. M. I., vol. 4 (end of vol.). I.

MAP OF IRON DEPOSITS IN NORTHERN SWEDEN, ALSO GEOLOGICAL SECTION. Engineering, London, vol. 66, p. 366. I.

MAP OF NEW ZEALAND, SHOWING DISTRIBUTION OF MINERALS AND ORES. E. & M. J., vol. 61, p. 517. I.

MAP SHOWING DISTRIBUTION OF METALLIFEROUS MINERALS. Min. Mag., July, 1904. Frontispiece.

A TOPOGRAPHIC MAP OF BUTTE, MONTANA. By R. H. Chapman. E. & M. J., vol. 61, p. 445. 1 column. I.

TOPOGRAPHIC MAPS AND GEOLOGICAL FOLIOS OF PENNSYLVANIA, NEW JERSEY, DELAWARE, MARYLAND, VIRGINIA, WEST VIRGINIA, AND OHIO. M. & M., Mar., 1903, p. 341. 3 columns.

Mine Maps

MINE MAP: Showing Methods of Opening Workings in Deep or Gaseous Coal-Veins. T. A. I. M. E., vol. 30, p. 291.

MINE MAPS: Laws in Illinois Regarding Them. M. & M., Jan., 1904, p. 287.

MINE MAPPING. Coll. Engr. & Met. Miner, vol. 15, p. 53, 2 columns; p. 80, 3 columns.

MINE MAPS. Coll. Guard., London, vol. 59, p. 957. 1¾ columns.

MINE MAP: Showing Method of Working and Ventilating Alabama Coal Mines. E. & M. J., vol. 50, p. 595. I.

THE DETAILED MAPPING OF STOPING AREAS. By H. R. Sleeman. T. I. M. & M., vol. 15, p. 326. 7 pages. I.

PLAN OF THE UNDERGROUND WORKINGS OF THE DE LAMAR MINES, IDAHO. U. S. G. S., 20th Annl. Rept., pt. 3, p. 126, plate 21. I.

PLAN OF WORKINGS OF THE BOONEVILLE, BLACK JACK AND TRADE DOLLAR MINES. U. S. G. S., 20th Annl. Rept., pt. 3, p. 138, plate 24. I.

SECTION OF LAST MINES NAMED ABOVE, SHOWING STOPES. U. S. G. S., 20th Annl. Rept., pt. 3, p. 140, plate 25. I.

MINE MAPS: Good Maps and Why Complete Maps are Necessary. By B. W. Robinson. Coll. Engr., vol. 9, p. 198. 2½ columns.

A WEST VIRGINIA COAL MINE PLAN. E. & M. J., vol. 79, p. 1039. 2½ columns. I. Map.

NOTES TO ACCOMPANY ONE PLAN AND THREE VERTICAL SECTIONS OF THE ATHABASCA MINE, ON TOAD MOUNTAIN, NEAR NELSON, BRITISH COLUMBIA. By E. Nelson. J. C. M. I., vol. 5, p. 15. 6 pages. I.

MINE-MAP OF PRATT COAL MINES, ALABAMA; ALSO SHOWING METHOD OF VENTILATION. T. F. I. M. E., vol. 13, p. 187. I.

MINE MAPS: Their Importance and Value. Coll. Engr. & Met. Miner, vol. 16, p. 282. 2 columns.

MINE MAP, LEITH MINE, CONNELLSVILLE REGION, PENNSYLVANIA. Coll. Engr. & Met. Miner, vol. 17, pp. 4, and 5.

ASSAY MAPS. By A. Del Mar. Min. & Sci. Press, vol. 89, p. 160. 1 column. I.

Geological Maps

The Geological Map of the United States. By J. W. Powell. T. A. I. M. E., vol. 21, p. 877.

A Geological Map of the State of New York. By J. Hall. T. A. I. M. E., vol. 21, p. 566.

Geological Mine Maps and Sections. By D. W. Brunton. T. A. I. M. E., vol. 36, p. 508. 32 pages. I.

Geological Map of Victoria, Showing Auriferous Zones or Belts. T. I. M. E., vol. 20, plate 21. I.

Geological Map of Africa. T. F. I. M. E., vol. 12, plate 17.

Map Making

A Pocket Mapping Instrument, By A. C. Lane. E. & M. J., vol. 49. p. 425. 2 columns. I.

When in Black and White: Some Suggestions in Regard to the Attainment of a Neat and Clear Appearance in the Making of Mine Maps. By C. V. Martin. M. & M., vol. 21, p. 301. 1⅔ columns.

The Pantograph and Planimeter: A Description of Some of the Advantages Attained by Their Use in the Making of Mine Maps. By E. C. Bowron. M. & M., vol. 18, p. 542. 1¼ columns.

Graphic Method of Mapping Exposed Ore Bodies. By G. W. Miller. Min. & Sci. Press, vol. 86, p. 196. 7⅓ columns. I.

Note on the Methods of Drawing Metric and Other Scales upon Engineering Plans. By P. Barnes. T. A. I. M. E., vol. 5, p. 429.

An Improved Form of Protractor for Mapping Mine Surveys. By W. S. Ayres. T. A. I. M. E., vol. 25, p. 650.

Plotting Mine Workings on Maps. M. & M., Jan., 1903, p. 283.

The Construction of Maps in Relief. By J. H. and E. B. Harden. T. A. I. M. E., vol. 16, p. 279.

Method of Constructing Strata-Maps to Represent Stratification or Bedding. By J. T. B. Ives. T. A. I. M. E., vol. 16, p. 768.

A Plea for Accurate Maps. By L. L. Hubbard. T. L. S. M. I., vol. 7, p. 107. 12 pages. I.

Value of Topographic Maps. E. & M. J., vol. 77, p. 843. 3 columns. I.

Modern Engineering Vault Equipment for Filing Maps of Different Sizes and Methods of Indexing for Reference. By A. Formis. M. & M., vol. 26, p. 39. 2½ columns. I.

Care of Maps: How They Should be Kept; Some Frightful Examples of How They Are and Ought Not to Be. By L. C. M. M. & M., vol. 21, p. 159. 1½ columns.

To Waterproof Blueprints. By A. B. Jessup. M. & M., June, 1901, p. 493. ¼ column.

METALLURGICAL METHODS AND PROCESSES

Metallurgical Processes, Works, etc.

Reverberatory Furnace Smelting of Ores. By T. J. Dyson. Min. & Sci. Press, vol. 78, p. 65. 1½ columns.

Classification of Smelting Ores, Freiberg, Saxony. Min. & Sci. Press, vol. 39, p. 376. 1 column.

Smelting Process at Freiberg. By P. Frazer. E. & M. J., vol. 12, pp. 33, 41, 52, 67, 83, 115, 163, 179.

Bidders for Our Smelting Ores. Min. & Sci. Press, vol. 25, p. 294. ⅔ column.

The Fryer Process: Smelting. Min. & Sci. Press, vol. 32, p. 65, 3 columns, I.; p. 130, ⅔ column; p. 145, ½ column; p. 153, 1½ columns; p. 289, 2½ columns. I.

Smelting of Dubuque Ores. By H. F. Bain. M. & M., vol. 20, p. 477. 2½ columns. I.

SMELTERS AND REDUCTION WORKS OF THE NORTHWEST. By A. Lakes. M. & M., vol. 20, p. 467. 2½ columns.

THE LEADVILLE SMELTERS: Regulations for the Purchase of Ores. E. & M. J., vol. 36, p. 264. ½ column.

THE CUSTOM SMELTING INDUSTRY IN MEXICO. By J. W. Malcolmson. E. & M. J., vol. 78, p. 25. 3 columns.

THE SMELTER-FUME PROBLEM. By A. W. Warwick. Min. Mag., vol. 12, p. 101. 16 columns. I.

THE HUNTINGTON-HEBERLEIN PROCESS AT FRIEDRICHSHÜTTE. By A. Biernbaum. E. & M. J., vol. 80, p. 535. 9 columns.

REPAIRING PARTLY COLLAPSED CYLINDRICAL FURNACES. By J. P. Cosgro. E. & M. J., vol. 80, p. 724. 6½ columns. I.

ON ADOBE AND OTHER MAKESHIFT FURNACES. By H. F. Collins. E. & M. J., vol. 76, p. 49, 7 columns, I.; p. 85, 3 columns, I.

SMELTING AT MOUNT LYELL, TASMANIA. E. & M. J., vol. 75, p. 818. 6 columns. I.

SMELTING NOTES FROM CHIHUAHUA, MEXICO. By W. L. Austin. T. A. I. M. E., vol. 12, p. 185.

ORE DRESSING AND SMELTING AT PRIBRAM, BOHEMIA. By E. Clark. T. A. I. M. E., vol. 9, p. 420.

INAUGURATION OF THE SMELTING INDUSTRY ON VANCOUVER ISLAND, BRITISH COLUMBIA. By W. M. Brewer. E. & M. J., vol. 74, p. 309. 5 columns. I.

THE PREPARATION OF FINE MATERIAL FOR SMELTING. By T. J. Greenway. E. & M. J., Jan. 12, 1905, p. 73. 3 columns.

THE ZECHAN AND DUNDAS SMELTING-WORKS, TASMANIA. By G. F. Beardsley. T. A. I. M. E., vol. 21, p. 575.

THE EQUIPMENT OF A LABORATORY FOR A SMELTING PLANT. By H. Haas. T. A. I. M. E., vol. 35, p. 653. 9 pages. I.

THE SMELTERS OF BRITISH COLUMBIA. By W. D. Verschoyle. T. I. M. E., vol. 25, p. 678. 22 pages. I.

A FURNACE WITH AUTOMATIC STOKER, TRAVELING GRATE, AND VARIABLE BLAST, INTENDED ESPECIALLY FOR BURNING SMALL ANTHRACITE COALS. By E. B. Coxe. T. A. I. M. E., vol. 22, p. 581.

ECONOMICAL RESULTS OF SMELTING IN UTAH. By E. Doggett. T. A. I. M. E., vol. 2, p. 17.

NOTES ON THE TREATMENT OF NICKEL-COBALT MATTES AT MINE LA MOTTE. By J. W. Neill. T. A. I. M. E., vol. 13, p. 634.

CONCENTRATION AND SMELTING AT TOMBSTONE, ARIZONA. By J. A. Church. T. A. I. M. E., vol. 15, p. 601.

THE HÖPFNER PROCESS. M. & M., Feb., 1902, p. 310.

SOME PERSONAL EXPERIENCE IN MATTING OF ORES AT LEADVILLE AND ROBINSON, COLORADO. By C. H. Doolittle. E. & M. J., vol. 75, p. 558. 3 columns.

IMPROVEMENTS IN MATTE SMELTING. Min. & Sci. Press, vol. 70, p. 20. 6 columns.

MATTE SMELTING. By W. L. Austin. Min. & Sci. Press, vol. 72, pp. 245, 282, 356, 376, 440, 417.

THE METALLURGICAL PRACTICE IN THE BLACK HILLS, SOUTH DAKOTA: The Development of the Processes Now Used. By C. H. Fulton. M. & M., Apr., 1905, p. 421. 9 columns.

THE TAILINGS PLANT OF THE MONTANA MINING COMPANY, LIMITED. By C. W. Merrill. E. & M. J., vol. 65, p. 459. 1 column. I.

THE NEWER TREATMENT OF BROKEN HILL SULPHIDES. By A. Selwyn-Brown. E. & M. J., vol. 80, p. 385. 3 columns.

THE TREATMENT OF BROKEN-HILL SULPHIDES. By A. A. Beadle. E. & M. J., vol. 76, p. 194. 2½ columns.

THE KOSAKA MINING AND REDUCTION WORKS, RICCHOO, JAPAN. By M. Kuwabara, Osaka, Japan. Sch. Mines Quart., vol. 15, p. 355. 20 pages. I.

THE METALLURGY OF SAN JUAN COUNTY (Colorado) ORES. By T. B. Comstock. E. & M. J., vol. 42, p. 115. 2¼ columns.

THE "DIEHL" PROCESS. By H. Knutsen. T. I. M. & M., vol. 12, p. 2. 36 pages. I.

SOME NOTES ON PERSIAN MINING AND METALLURGY. By J. Mactear. T. I. M. & M., vol. 3, pt. 1, pp. 1, 29.

EXPERIMENTS WITH THE IMPERATORI PROCESS AT CROTON MAGNETIC MINE, NEW YORK. By J. B. Nau. T. A. I. M. E., vol. 20, p. 111.

THE MURPHY GOLD PROCESS. Min. & Sci. Press, vol. 69, p. 180. 3 columns.

A NEW GOLD SAVING PROCESS. By P. Langhammer. Min. & Sci. Press, vol. 73, p. 316. 1¾ columns.

THE MINDELEFF PROCESS. Min. & Sci. Press, vol. 32, p. 360. 2½ columns.

THE PAUL PROCESS. Min. & Sci. Press, vol. 32, p. 369. ¾ column. I.

THE MONNIER PROCESS. Min. & Sci. Press, vol. 33, p. 209. 1¾ columns. I.

THE SEMET-SOLVAY CAPE PLANT. By W. L. Affelder. M. & M., vol. 20, p. 297. 3½ columns. I.

THE SAVELSBERG PROCESS. By W. R. Ingalls. E. & M. J., vol. 80, p. 1067. 6 columns. I.

THE HUNTINGTON-HEBERLEIN PROCESS. By D. Clarke. E. & M. J., vol. 78, p. 630. 3½ columns. I.

BRADFORD-CARMICHAEL PROCESS. E. & M. J., vol. 78, p. 708.

THE DELPRAT OR SALT-CAKE PROCESS FOR MIXED SULPHIDES. By D. Clarke. E. & M. J., vol. 77, p. 122. 2 columns. I.

METALLURGICAL DEVELOPMENT AT GUANAJUATO. By T. A. Rickard. Min. & Sci. Press, vol. 94, p. 627. 4¾ columns. I.

THE LUNGWITZ PROCESS. By F. W. Gordon. E. & M. J., vol. 82, p. 71. 9 columns. I.

BRITON FERRY WORKS OF THE CAPE COPPER COMPANY. By E. Walker. E. & M. J., vol. 84, p. 304. 4 columns. I.

MINING AND METALLURGY IN SOUTH WALES. By E. Walker. E. & M. J., vol. 84, p. 57. 5½ columns. I.

THE IMBERT PROCESS. By E. G. Spilsbury. Min. & Sci. Press, vol. 92, p. 434. 3 columns.

THE APPLICATION OF THE POHLE-CROASDALE PROCESS. By O. H. Fairchild. Min. & Sci. Press, vol. 93, p. 263. 3½ columns. I.

THE BETTS PROCESS AT TRAIL, BRITISH COLUMBIA. By A. G. Wolf. M. & M., vol. 28, p. 11. 9 columns. I.

THE THERMO-HYPERPHORIC PROCESS. By A. T. Firth. J. C. & M. Soc. S. A., vol. 3, p. 76. 5 pages.

TREATMENT OF THE DRY ORES OF THE SLOCAN. By T. W. Cavers. J. C. M. I., vol. 7, p. 199. 11 pages.

A NEW MATTE SEPARATOR. By R. R. Hedley. J. C. M. I., vol. 9, p. 58. 4 pages. I.

BASIC DEPHOSPHORIZING PROCESS. By J. Reese. P. E. Soc. W. Pa., vol. 1, p. 176. 14 pages.

THE NEW BALAKLALA SMELTER AT CORAM, CALIFORNIA. By J. L. Mauch. M. & M., vol. 28, p. 411. 12 columns. I.

THE WALLAROO SMELTING WORKS. By T. C. Cloud. E. & M. J., vol. 83, p. 324. 18 columns. I.

THE MANGANESE SLAGS OF TOMBSTONE, ARIZONA. By J. A. Church. T. A. I. M. E., vol. 24, p. 559.

THE TAVENER PROCESS. By L. A. E. Swinney. T. I. M. & M., vol. 16, p. 115. 22 pages. I.

THE WALLAROO SMELTING WORKS. By T. C. Cloud. T. I. M. & M. vol. 16, p. 55. 34½ pages.

Treatment of the Precipitate and Manipulation of the Tilting Furnaces at the Redjang Lebong Mine, Sumatra. By S. J. Truscott. T. I. M. & M., vol. 16, p. 42. 9 pages.

Smelting at Kansas City. E. & M. J., vol. 82, p. 881. 1½ columns.

The Washoe Smelter. Min. & Sci. Press, vol. 94, p. 467. 6 columns. I. D.

Smelting Arsenical Ores in Blast Furnaces. By H. Lang. Min. & Sci. Press, vol. 84, p. 172. 2½ columns.

Notes on Antimony Smelting. By G. Pautrat. E. & M. J., vol. 84, p. 493. 4½ columns. I.

Method of Smelting Cobalt Ores. By H. W. Hixon. E. & M. J., vol. 83, p. 426. 3 columns. I.

The Metallurgy of Aluminum in 1906. By J. W. Richards. E. & M. J., vol. 83, p. 1083. 9½ columns. I.

Methods of Assaying, Calculations, etc.

Suggestions to Young Assayers. E. & M. J., vol. 35, p. 30. 1⅙ columns.

Cupellation and Parting. By T. Kirke Rose. E. & M. J., vol. 79, p. 708. 4 columns. I.

Parting an Assay. M. & M., Aug., 1901, p. 45.

Assaying: A Description of the Apparatus Commonly Used and the Methods; The Reagents and Some of the Reactions. By Evans W. Baskett. M. & M., Sept., 1904, p. 77; Nov., 1904, p. 193; Oct., 1904, p. 113; Jan., 1905, p. 289.

Cupellation and Parting. By H. R. Edmands. E. & M. J., vol. 80, p. 245. 3½ columns. I.

A New Assay-Ton. E. & M. J., vol. 45, p. 52. 1 column.

Running a Control (Assay). By R. W. Roelofs. M. & M., vol. 20, p. 326. 1 column. I.

Notes on Assaying. J. C. & M. Soc. S. A., vol. 1, p. 12. 3 pages.

Notes on Assaying Ground Graphite Crucibles. By A. F. Crosse. J. C. & M. Soc. S. A., vol. 2, p. 123. 3 pages.

The Scorification Assay. By J. Daniell. J. C. & M. Soc. S. A., vol. 2, p. 276. 6 pages.

Assaying of Graphite Crucibles. J. C. & M. Soc. S. A., vol. 2, p. 205. 4 pages.

The Assay of By-Products. By H. F. Lofts. J. C. & M. Soc. S. A., vol. 2, p. 487. 4½ pages.

On Cupellation and Parting in Ore Assaying. By T. K. Rose. P. C. M. & M. Soc. S. A., vol. 5, p. 165. 5 pages. I.

The Position of the Assay Department in Mining Economics. By F. White. J. C. & M. Soc. S. A., vol. 2, p. 358, 4½ pages; p. 381, 6 pages; p. 411, 4 pages.

The Computation of Assay Values. By Wm. Crosley. T. I. M. & M., vol. 15, p. 87. 40 pages.

The Assay Weight and Its Relation to the Balance of Precision. By A. Whitby. P. C. M. & M. Soc. S. A., vol. 5, p. 40. 11 columns.

The Calculation of Assay Slags. By C. H. Fulton. M. & M., vol. 27, p. 330. 3 columns. I.

How to Determine the Assay Value of Concentrates and Tailings: Min. & Sci. Press, vol. 67, pp. 293, 308. ¾ column.

Assay Calculation (Mexican). Min. & Sci. Press, vol. 67, p. 308. ½ column.

The Seattle Assay Office. By D. A. Lyon. M. & M., vol. 21, p. 245. 1 column.

Experiments on a Heat-Regulator at the United States Assay Offices, New York. By H. G. Torrey. E. & M. J., vol. 42, p. 147. 1 column. I.

Nickel Assay. E. & M. J., vol. 77, p. 1004, ½ column; vol. 78, p. 5.

Assay Results as a Guide to Ore-Dressing (Zinc), Joplin, Missouri. E. & M. J., vol. 76, p. 15.

Assay Ton System of Weights. Min. & Sci. Press, vol. 47, p. 34. ⅔ column.

Liability of Assayers. E. & M. J., vol. 81, p. 619. 1¼ columns.

Quartation and Weighing. By H. R. Wood. Sch. Mines Quart., vol. 12, p. 314. 5 pages.

Parting Gold and Silver in the United States Assay Office, New York. By T. Egleston. Sch. Mines Quart., vol. 7, p. 1. 24 pages.

The Mints and Assay Offices of Europe. By P. de P. Ricketts. T. A. I. M. E., vol. 4, p. 343.

Observations on Sampling, Computation of Assay-Averages, and Relation of Assay-Value to Recovery-Value as Applied to Banket-Mining in the Transvaal. By G. A. Denny. T. I. M. E., vol. 19, p. 294. 26 pages. I.

Graphic Assay Plans. By W. Wybergh. T. I. M. & M., vol. 5, p. 235.

Causes of Error in the Assay of Gold. E. & M. J., vol. 56, p. 297. ⅔ column.

Definitions of Assays. E. & M. J., vol. 63, p. 307. Note.

The Inaccuracy of the Commercial Assay for Silver and of Metallurgical Statistics in Silver-Mills, with Special Reference to the Treatment of Roasted Ores by Amalgamation and by the Russell Process. By C. A. Stetefeldt. T. A. I. M. E., vol. 24, pp. 530, 867.

The Assay of Antimonial Gold Ores. By W. Kitts. T. I. M. & M., vol. 16, p. 89. 23½ pages.

The Assay of Gold Bars as Conducted in the Author's Assay Office. By A. C. Claudet. T. I. M. & M., vol. 16, p. 136. 8 pages.

The Assay of Silver Bullion by Volhard's Method. By E. A. Smith. T. I. M. & M., vol. 16, p. 154. 16½ pages.

Remarks on Fire Assaying of Gold-Bearing Materials. By W. Bettel. J. C. & M. Soc. S. A., vol. 2, p. 463. 10½ pages.

The Assaying of Complex Gold Ores. By E. A. Smith. T. I. M. & M., vol. 9, p. 315. 47½ pages.

Notes on the Assay of Gold Bullion. By T. K. Rose. P. C. M. & M. Soc. S. A., vol. 6, p. 36. 5 colunms.

Routine Assaying on the Rand. By A. Whitby. P. C. M. & M. Soc. S. A., vol. 6, p. 264, 17½ columns, I.; p. 342, 5½ columns; p. 367, 3½ columns, I.

The Assay of Bullion. By T. W. Wood. J. C. & M. Soc. S. A., vol. 2, p. 1. 3½ pages.

Crucible-Assaying of Gold Ores. By H. C. Dickson. T. I. M. E., vol. 27, p. 673. 18½ pages.

Assay of Bullion Containing Selenium. By J. E. Clennell. E. & M. J., vol. 82, p. 1057. 7 columns.

The Assay of Cyanide Solutions. By Wm. Magenan. Min. & Sci. Press, vol. 92, p. 259. 3 columns+.

Parting Gold and Silver Bullion. Min. & Sci. Press, vol. 87, p. 129. ¾ column.

Assaying of Gold and Silver. By J. B. Eckfeldt. Min. & Sci. Press, vol. 75, p. 4, 1¾ columns; p. 29, 1½ columns; p. 49, 2½ columns.

Assaying and Gold Brick. Min. & Sci. Press, vol. 65, p. 205. 1 column.

Assaying Concentrated Sulphurets. Min. & Sci. Press, vol. 68, p. 258. ½ column.

Assaying Amalgam. Min. & Sci. Press, vol. 53, p. 313. 1 column. I.

Humid Assay of Silver Bullion. Min. & Sci. Press, vol. 50, p. 285. ⅞ column. I.

Measuring Solutions in Humid Assay of Silver. Min. & Sci. Press, vol. 50, p. 301. 2 columns.

Convenient Table for Gold and Silver Assays. Min. & Sci. Press, vol. 23, p. 89. 1¼ columns.

On the Assay of Gold. By H. G. Hanks. Min. & Sci. Press, vol. 23, p. 168, 1½ columns; p. 184, 1½ columns; p. 216, 2 columns; p. 236, 1¾ columns; p. 262, 1¾ columns; p. 278, 1¼ columns; p. 294, 2 columns; p. 326, 1½ columns; p. 358, 2 columns; p. 391, 1½ columns.

Assaying Gold Bullion. By T. K. Rose. E. & M. J., vol. 80, p. 492. 3 columns.

Methods for Assaying Cyanide Solutions for Gold. By T. L. Carter. E. & M. J., vol. 74, p. 647, 1 column; vol. 80, p. 207, 2 columns.

Assay of Silver. Min. & Sci. Press, vol. 45, pp. 233, 265.

Cupellation Loss in Silver Assay. Min. & Sci. Press, vol. 46, p. 344. ½ column.

The Losses of Silver in Cupelling with Varying Amounts of Lead and Silver. E. & M. J., vol. 73, p. 829. 2 columns.

The Assay of Telluride Ores. By C. H. Fulton. Sch. Mines Quart., vol. 19, p. 419. 8 pages.

Assaying Gold Telluride Ore. E. & M. J., vol. 80, p. 100. ⅔ column.

Notes on the Assay of Rich Silver Ores. By E. H. Miller and C. H. Fulton. Sch. Mines Quart., vol. 17, p. 160. 10 pages.

An Examination of the Ores of the Republic Gold-Mine, Washington. By T. M. Chatard and C. Whitehead. T. A. I. M. E., vol. 30, p. 419.

The Detection and Estimation of Small Quantities of Gold and Silver. By L. Wagoner. T. A. I. M. E., vol. 31, p. 798.

Losses of Gold and Silver in the Fire-Assay. By H. Van F. Furman. T. A. I. M. E., vol. 24, p. 735.

Silver-Losses in Cupellation. By L. D. Godshall. T. A. I. M. E., vol. 26, p. 473.

The Assay by Prospectors of Auriferous Ores and Gravels by Means of Amalgamation and the Blowpipe. By W. H. Merritt. T. A. I. M. E., vol. 26, p. 187.

Assay of Auriferous Ores and Gravels by Amalgamation and the Blow-Pipe. By R. W. Leonard. T. A. I. M. E., vol. 25, p. 645.

The Assay of Silver Sulphides. By H. Van F. Furman. T. A. I. M. E., vol. 25, pp. 245, 998.

Notes on the Moebins Processes for Parting Gold and Silver, as Carried on at the Guggenheim Smelting Works at Perth Amboy, New Jersey. By P. Butler. T. F. C. M. I., vol. 3, p. 120. 20 pages. I.

The Assaying of Complex Gold-Ores. By E. A. Smith. T. I. M. & M., vol. 9, p. 315. 46 pages.

The Assays of Zinc-Box Residues from the Cyanide Process. By R. W. Lodge. T. A. I. M. E., vol. 34, pp. 432, 964.

The Assay of Gold Bars. E. & M. J., vol. 83, p. 820. 1⅞ columns.

A Modified Method of Fine Silver Assay. E. & M. J., vol. 64, p. 514. ⅔ column.

A Mexican Cupellation-Hearth. By W. L. Austin. T. A. I. M. E., vol. 13, p. 41.

Note on a Cupel-Machine. By C. E. Wait. T. A. I. M. E., vol. 14, p. 767.

An Improved Assay-Muffle. By A. S. Dwight. T. A. I. M. E., vol. 26, p. 992.

A Wood-Burning Assay-Furnace. By E. H. Nutter. Min. & Sci. Press, vol. 92, p. 329. 1½ columns. I.

A Multiple-Muffle Assay Furnace. By H. C. Parmelee. E. & M. J., vol. 83, p. 83. 2⅓ columns. I.

SCORIFICATION AND CUPELLATION WITHOUT MUFFLE: A New Furnace and Method for Gold and Silver Assays. By G. A. Koenig. T. A. I. M. E., vol. 28, p. 271.

ASSAYING OF SILVER BULLION. By F. C. Blake. T. A. I. M. E., vol. 10, p. 490.

ASSAYING PLUMBAGO POTS FOR GOLD. By F. L. Carter. E. & M. J., vol. 68, p. 155. ½ column.

ASSAY OF COPPER. By E. W. Buskett. M. & M., vol. 28, p. 123. 1½ columns.

THE USE OF ZINC IN ASSAYING COPPER MATTE, ETC. By D. M. Levy. T. I. M. & M., vol. 16, p. 397. 26 pages. I.

ASSAYING GOLD AND SILVER IN COPPER MATTES. Min. & Sci. Press, vol. 92, p. 195. ½ column.

THE QUINCY MINE ASSAY OFFICE. By C. W. Macdougall. E. & M. J., vol. 81, p. 708, 6 columns, I.; p. 654, 4 columns; p. 806, 4½ columns.

NEW ASSAY FOR COPPER. Min. & Sci. Press, vol. 47, p. 394. 1 column.

THE IODOMETRIC METHOD OF COPPER ASSAYING. By E. H. Miller. E. & M. J., vol. 81, p. 519. ½ column.

ESTIMATION OF COPPER BY TITRATION WITH POTASSIUM CYANIDE. E. & M. J., vol. 81, p. 750. 4 columns. I.

THE ASSAY OF COPPER BULLION. By T. B. Swift. E. & M. J., vol. 74, p. 650. 1⅗ columns.

THE COPPER ASSAY BY THE IODIDE METHOD. By A. H. Low. E. & M. J., vol. 74, p. 846. 4 columns.

THE "ALL-FIRE" METHOD FOR THE ASSAY OF GOLD AND SILVER IN BLISTER COPPER. By A. Gibb. T. A. I. M. E., vol. 33, p. 670.

THE LITHARGE PROCESS OF ASSAYING COPPER-BEARING ORES AND PRODUCTS, AND THE METHOD OF CALCULATING CHARGES. By W. G. Perkins. T. A. I. M. E., vol. 31, p. 913.

THE CYANIDE ASSAY FOR COPPER. By H. H. Miller. T. A. I. M. E., vol. 31, pp. 653, 1027.

THE ELECTROLYTIC ASSAY AS APPLIED TO REFINED COPPER. By G. L. Heath. T. A. I. M. E., vol. 27, pp. 390, 962.

ASSAYS OF COPPER AND COPPER MATTE. T. A. I. M. E., vol. 24, p. 575; vol. 25, pp. 250, 1000.

COPPER ASSAYING AT LAKE SUPERIOR. By G. L. Heath. E. & M. J., vol. 59, p. 369. 2 columns.

A UNIFORM METHOD FOR THE ASSAY OF COPPER MATERIALS FOR GOLD AND SILVER. By A. R. Ledoux. T. A. I. M. E., vol. 24, pp. 575, 872.

NOTES ON THE ELECTROLYTIC ASSAY OF COPPER. By W. Glenn. T. A. I. M. E., vol. 17, p. 406.

PRESENT COMMERCIAL METHODS OF COPPER ASSAYING AND ANALYSIS. By T. Ulke. E. & M. J., vol. 68, p. 727. 3¼ columns.

ON THE ASSAY OF TIN AND ON SOLUBILITY OF CASSITERITE. By J. H. Collins. T. I. M. & M., vol. 13, p. 485. 3 pages.

THE ASSAYING OF TIN AND TERNE DROSSES. By G. P. Maury. P. E. Soc. W. Pa., vol. 21, p. 88. 4½ pages.

ON THE ASSAY OF AURIFEROUS TIN-STONE. By C. O. Bannister. T. I. M. & M., vol. 15, p. 513. 11 pages.

THE ASSAY OF TIN. By E. H. Miller. Sch. Mines Quart., vol. 13, p. 368. 12 pages.

THE DRY ASSAY OF TIN-ORES. By H. O. Hofman. T. A. I. M. E., vol. 18, p. 3.

NOTE ON THE INFLUENCE OF COLUMBITE ON THE TIN-ASSAY. By F. R. Carpenter and W. P. Headden. T. A. I. M. E., vol. 17, pp. 633, 785.

ON THE ASSAY OF TIN. E. & M. J., vol. 77, p. 957. ½ column.

THE ASSAY OF TIN. E. & M. J., vol. 78, p. 133. 1 column.

THE ASSAY OF NICKEL AND COBALT ORES. Min. & Sci. Press, vol. 49, p. 277, 1 column; p. 284, ½ column.

Fire Assay for Lead. By J. F. Cannon. E. & M. J., vol. 64, p. 604. Note.

Assay of Zinc. By E. W. Buskett. M. & M., vol. 28, p. 183. 2 columns.

The Electrolytic Assay of Lead and Copper. By G. A. Guess. T. A. I. M. E., vol. 36, p. 605. 6 pages. I.

The Assaying of Zinc Ores as Carried on in the Joplin District, Missouri. By E. W. Buskett. M. & M., vol. 26, p. 99. 4 columns. I.

Assaying Argentiferous Galena. Min. & Sci. Press, vol. 43, p. 134. ⅞ column.

The Fire Assay of Lead: A Combination Method. By O. J. Frost. E. & M. J., vol. 73, p. 730. 1½ columns.

Fire Assay for Lead. By M. W. Iles. Sch. Mines Quart., vol. 15, p. 336. 9 pages.

A Crucible Charge for Gold and Silver in Zinc Ores. By E. J. Hall and E. Popper. Sch. Mines Quart., vol. 25, p. 355. 2½ pages.

The Commercial Wet Lead-Assay. By H. A. Guess. T. A. I. M. E., vol. 35, p. 359, 12 pages; p. 1010, 4½ pages.

Determination of Lead in Ores by Fire Assay. By D. Lay. J. C. M. I., vol. 4, p. 224. 5 pages.

Note on Lead Assaying. By P. R. Robert. T. I. M. & M., vol. 9, p. 270. 2 pages.

Assaying Galena: To Determine Amount of Arsenic and Antimony. M. & M., Apr., 1902, p. 405.

A New Assay for Mercury. By R. E. Chism. T. A. I. M. E., vol. 28, p. 444.

New Quicksilver Assay. Min. & Sci. Press, vol. 25, p. 81, ½ column; p. 268, ⅔ column.

Formula for the Assay of Mercury. Min. & Sci. Press, vol. 80, p. 401. ¼ column.

Method of Assaying Mercury Ores. E. & M. J., vol. 83, p. 712. ½ column.

Assaying Mercury. Engineering, London, vol. 66, p. 735. 2½ columns. I.

Assay of Calcium and Magnesium. By E. W. Buskett. M. & M., vol. 28, p. 289. 1½ columns.

Assay of Iron. By E. W. Buskett. M. & M., vol. 28, p. 244. 1½ columns.

Note on Manganese-Steel. By H. M. Howe. T. A. I. M. E., vol. 21, p. 625.

The Assaying of Arsenic Ores. By A. Dickinson. T. I. M. & M., vol. 2, p. 110.

Assay of the Platinum Metals. E. & M. J., vol. 80, p. 1017. 2½ columns.

A Complete Gas Assaying-Plant. By W. L. Brown. T. A I. M. E., vol. 13, p. 26.

Roasting Ores, Furnaces, etc.

Drying and Roasting Machinery. Machinery for Metalliferous Mines, pp. 422–438.

Stetefeldt's Shelf Dry-Kiln for Drying Ores. Min. & Sci. Press, vol. 47, p. 209, 3½ columns, I.; p. 217, I.

The Latest Type of Mechanical Calciner. By W. Blackmore. T. I. M. & M., vol. 7, p. 323. 8 pages. I.

Notes on an Improved Furnace for Burning Coke. By T. G. Martyn. T. I. M. & M., vol. 7, p. 331. 4 pages. I.

The Shelf Dry-Kiln. By C. A. Stetefeldt. T. A. I. M. E., vol. 12, p. 95.

Steam Heated Ore-Dryer. Min. & Sci. Press, vol. 74, p. 257. I.

Wilfley Roasting Process. By J. M. McClave. M. & M., vol. 28, p. 407. 2 columns. I.

The Pot-Roasting of Ore. By L. S. Austin. Min. & Sci. Press, vol. 93, p. 511. 2 columns. I.

Sulphuret Roasting Furnace. Min. & Sci. Press, vol. 52, p. 37. ¾ column. I.

The Grittinger Ore Roaster. Min. & Sci. Press, vol. 52, p. 97. 1½ columns. I.

Furnace for Roasting Bullion. Min. & Sci. Press, vol. 53, p. 33. ⅔ column. I.

Arent's Rotary Roasting Furnace. Min. & Sci. Press, vol. 54, p. 93. ¾ column. I.

Clay Lane Furnace. Min. & Sci. Press, vol. 55, p. 21. 1 column. I.

An Open Hearth Furnace Plant. Min. & Sci. Press, vol. 58, p. 433. 4 columns. I.

Ore Roasting Furnaces. Min. & Sci. Press, vol. 44, p. 273. 2 columns. I.

Desulphurizing and Oxidizing Ore Furnace. Min. & Sci. Press, vol. 45, p. 17. 2 columns. I.

Roasting and Chloridizing Furnace. Min. & Sci. Press, vol. 47, p. 9. 1 column. I.

Spence Desulphurizing Furnace. Min. & Sci. Press, vol. 49, p. 321. 4 columns. I.

Smelting in Adobe Furnaces and Refining in Mexican Vaso. Min. & Sci. Press, vol. 50, p. 4. 1¾ columns.

Reverberatory Roasting Furnaces. Min. & Sci. Press, vol. 40, p. 337. 1 column. I.

Long Roasting Furnace. Min. & Sci. Press, vol. 41, p. 365. 1 column. I.

Roasting Ores for Leaching Purposes. Min. & Sci. Press, vol. 42, p. 125. 1½ columns. I.

The O'Harra Chloridizing Furnace. Min. & Sci. Press, vol. 42, p. 269. 5 columns. I.

Roasting Furnace. Min. & Sci. Press, vol. 43, p. 261. 1¼ columns. I.

Mane's New Revolving Furnace. Min. & Sci. Press, vol. 32, p. 241. 2 columns. I.

The O'Harra Chloridizing Furnace. Min. & Sci. Press, vol. 32, p. 305. 1½ columns. I.

The Howell Roasting Furnace. Min. & Sci. Press, vol. 36, p. 209. 2 columns. I.

Records of the Stetefeldt Furnace. Min. & Sci. Press, vol. 37, p. 25, 3 columns; p. 40, 2⅓ columns.

Willard's Desulphurizing Furnace. Min. & Sci. Press, vol. 37, p. 145. 1¼ columns. I.

The Arey Patent-Roasting Furnace. Min. & Sci. Press, vol. 21, p. 153. 3 columns. I.

Bankart's Roasting Furnace. Min. & Sci. Press, vol. 23, p. 57. 2 columns. I.

The Atkin Roasting Furnace. Min. & Sci. Press, vol. 23, p. 113. 2 columns. I.

The Roasting of Ores. Min. & Sci. Press, vol. 23, p. 144. 2 columns. I.

Process of Roasting Ores. By J. H. Tieman. Min. & Sci. Press, vol. 13, p. 306, 1⅔ columns; p. 338, 1 column; p. 354, 1½ columns.

Kustel on Roasting of Ores. Min. & Sci. Press, vol. 21, p. 12. 3 columns. I.

Heiligendorfer's Roasting Furnace. Min. & Sci. Press, vol. 30, p. 273. 3¼ columns. I.

The Brückner Revolving Furnace. Min. & Sci. Press, vol. 30, p. 281. 3½ columns. I.

Roasting Ores. Min. & Sci. Press, vol. 31, p. 24. 3 columns.

The Brückner Furnace. Min. & Sci. Press, vol. 31, p. 185. I.

The O'Hara Furnace. Min. & Sci. Press, vol. 31, p. 370. ¾ column.

Theory and Practice of Roasting. By A. W. Warwick. Min. Mag., vol. 12, p. 196. 18 columns. I.

The Vermont Method of Heap-Roasting Copper Ores. E. & M. J., vol. 36, p. 352. 1½ columns.

Merton's Calcining Furnace. By F. D. Power. E. & M. J., vol. 76, p. 775. 2⅔ columns. I.

Edwards and Merton Furnaces. E. & M. J., vol. 76, p. 294. 2 columns.

A New Form of Furnace for Roasting and Oxidizing Ores. By W. P. Blake. T. A. I. M. E., vol. 21, p. 943.

The Pearce Turret Furnace (Roasting). E. & M. J., vol. 55, p. 513. 1½ columns. I.

Some New Roasting Furnaces. E. & M. J., vol. 74, p. 216. 2 columns.

The Chase Roasting Furnace. E. & M. J., vol. 73, p. 797. 3¼ columns. I.

The Improved Brückner (Roasting) Cylinders. By R. W. Raymond. T. A. I. M. E., vol. 14, p. 576.

Edwards Mechanical Ore-Roasting Furnace. E. & M. J., vol. 77, p. 242. 5½ columns. I.

The V-Method of Heap-Roasting. T. A. I. M. E., vol. 18, p. 285.

The Decomposition and Formation of Zinc Sulphate by Heating and Roasting. By H. O. Hofman. T. A. I. M. E., vol. 35, p. 811. 47 pages.

Kernel-Roasting. By H. Poole. T. A. I. M. E., vol. 36, p. 403. 9 pages. I.

Roasting and Magnetic Separation of a Blende-Marcasite Concentrate. By H. O. Hofman. T. A. I. M. E., vol. 35, p. 928. 20 pages. I.

Heap-Roasting at Mine Le Roi, Northport, Washington. By E. Jacobs. British Columbia Mining Record, Nov., 1904.

Min. Mag., Dec., 1904, p. 413.

Notes on Roasting with McDougall Furnace. By S. S. Sorensen. J. C. M. I., vol. 6, p. 306. 7 pages. I.

A Possible Explanation of Kernel-Roasting. By H. M. Howe. E. & M. J., vol. 59, p. 104; p. 267, 1 column; p. 339, 1⅝ columns; p. 364, 1½ columns; p. 411, ½ column.

Mechanical Roasting of Ores. By H. F. Brown. T. F. I. M. E., vol. 11, p. 369. 9 pages. I.

Air in Roasting. E. & M. J., vol. 80, p. 290. 2½ columns.

Stall Roasting. E. & M. J., vol. 60, p. 564. 3¾ columns. I.

H. F. Brown System of Roasting Furnaces. E. & M. J., vol. 62, p. 8. 3 columns. I.

Ore and Matte-Roasting in Utah. By R. H. Terhune. T. A. I. M. E., vol. 16, p. 18.

The Davis-Colby Ore-Roaster. By S. G. Valentine. T. A. I. M. E., vol. 18, p. 303.

Notes on the Additional Diaphragm in the Howell Roasting Furnace. By C. W. Goodale. T. A. I. M. E., vol. 18, p. 223.

The Holthoff Revolving-Hearth Roasting Furnace. E. & M. J., Mar. 16, 1905, p. 538. 3 columns. I.

Cooling Attachment for Ore Roasting Furnaces. E. & M. J., vol. 68, p. 127. 1 column. I.

An Ore-Roasting Furnace. By W. J. Taylor. T. A. I. M. E., vol. 9, p. 304.

The Zellweger Roasting Kiln. E. & M. J., vol. 69, p. 261. 2¾ column. I.

Smelting Furnaces, Water-Jacketed. Min. & Sci. Press, vol. 50, p. 89. 3 columns. I.

Melting Furnace for Assaying. Min. & Sci. Press, vol. 50, p. 237. 2½ columns. I.

Granzita Furnaces. Min. & Sci. Press, vol. 51, p. 177. 1 column. I.

The Hartsfeld Smelting Furnace. Min. & Sci. Press, vol. 51, p. 277. 2 columns. I.

The Russell Furnace. Min. & Sci. Press, vol. 51, p. 289. ⅞ column. I.

Intermittent Furnaces. Min. & Sci. Press, vol. 51, p. 420. 3 columns. I.

The Ropp Straight Line Furnace. E. & M. J., vol. 80, p. 33. 1 column. I.

On Adobe and Other Cheap and Makeshift Furnaces. By H. F. Collins. T. I. M. & M., vol. 12, p. 407. 19 pages. I.

Laboratory Crucible and Muffle Furnaces. By G. F. Holloway. T. I. M. & M., vol. 16, p. 341. 11½ pages. I.

Repairing Partly Collapsed Cylindrical Furnaces. By J. B. Cosgro. T. A. I. M. E., vol. 36, p. 215. 8 pages. I.

Blast Furnace vs. Reverberatory. Min. & Sci. Press, vol. 94, p. 114. 3¾ columns.

The Wedge Furnace. E. & M. J., vol. 84, p. 173. 4 columns. I.

An Adobe Reverberatory Furnace. By John Gross. T. A. I. M. E., vol. 32, p. 248.

Metallurgical Machinery. By A. C. McCallum. J. C. M. I., vol. 2, p. 28. 10 pages.

See Metallurgy of Various Metals for further information on Roasting.

Pyritic Smelting

Pyritic Smelting: A Review. By E. D. Peters. E. & M. J., vol. 77, p. 881, 7¾ columns; p. 921, 3 columns; p. 959, 4 columns; p. 1004, 2½ columns; p. 1043, 4 columns; vol. 78, p. 10, 3½ columns; p. 58, 1¼ columns; p. 100, 3½ columns.

Practical Treatment of Pyritic Gold Ores at Gibbonsville, Idaho. Min. & Sci. Press, vol. 74, p. 282. 3¾ columns.

Pyritic Smelting. By R. C. Alabaster and F. H. Wintle. T. I. M. & M., vol. 15, p. 269. 30 pages.

Negative Results in Pyrite Smelting. E. & M. J., vol. 84, p. 837. 9 columns.

The Baggaley Pyritic-Conversion Process. E. & M. J., vol. 81, p. 574. 9 columns.

Pyrite Smelting. By C. S. Palmer. E. & M. J., Mar. 30, 1905, p. 621. 3 columns.

The Province of Pyritic Smelting. By H. Lang. E. & M. J., vol. 71, p. 589, 4 columns, I.; p. 617, 2 columns.

Smelting of Raw Sulphide Ores at Ducktown, Tennessee. By W. H. Freeland. E. & M. J., vol. 75, p. 664. 5½ columns. I.

Pyrite Smelting: A Review. By E. D. Peters. E. & M. J., vol. 78, p. 140, 3 columns; p. 179, 2¾ columns; p. 218, 4½ columns.

Pyritic Smelting. E. & M. J., vol. 77, p. 192. 8 columns.

A New Pyrite Smelter. By H. Haas. E. & M. J., vol. 79, p. 1081. 5 columns. I.

Pyritic Smelting and its Bearing on Certain South African Ores. By D. Dörffel. J. C. & M. Soc. S. A., vol. 2, p. 311. 4 pages.

Negative Results in Pyritic Smelting. By G. F. Beardsley. E. & M. J., vol. 84, p. 343. 3¾ columns.

Pyrite Smelting Without Coke. By L. T. Wright. Min. & Sci. Press, vol. 92, p. 124, 4 columns; p. 237, 4 columns; p. 387, 8 columns.

Pyritic Smelting in the Black Hills. By F. R. Carpenter. T. A. I. M. E., vol. 30, p. 764.

Pyritic Smelting. By W. L. Austin. T. F. I. M. E., vol. 14, p. 111. 20 pages.

Pyritic Smelting. By L. T. Wright. E. & M. J., Feb. 2, 1905, p. 237. 6 columns.

Pyrite Smelting. E. & M. J., vol. 80, p. 1027. 2¾ columns.

Sulphide Ore Treatment, Phœnix Process. By E. A. Ashcroft. T. I. M. & M., vol. 9, p. 378. 42 pages. I.

Sulphide-Smelting at the National Smelter of the Horseshoe Company, Rapid City, South Dakota. By C. H. Fullen and T. Knutzen. T. A. I. M. E., vol. 35, p. 326. 12 pages.

The Economical Treatment of Sulphide Ores. By C. B. Jackes. J. C. M. I., vol. 8, p. 244. 12½ pages. I.

Metallurgy of Gold and Silver

NOTES ON SMELTING AND CUPELLATION. By F. L. Piddington. J. C. & M. Soc. S. A., vol. 4, p. 360. 20 pages.

A WEST AFRICAN SMELTING-HOUSE. By C. V. Bellamy. Engineering, London, vol. 79, p. 28. 6½ columns. I.

SMELTING GOLD AND SILVER ORES IN COLORADO. By T. Tonge. M. & M., vol. 19, p. 97. 8½ columns. I.

SILVER SMELTING IN MEXICO. Min. & Sci. Press, vol. 81, p. 92, 2 columns; p. 121, 2 columns +; p. 157, 2 columns; p. 185, 2½ columns; p. 222, 2 columns +; p. 249, 3 columns; p. 284, 2 columns.

SMELTING SILVER IN MONTANA. E. & M. J., vol. 12, pp. 241, 257, 307, 323, 337.

REDUCTION OF SILVER ORES. Min. & Sci. Press, vol. 30, p. 65. 1½ columns.

CONCENTRATING AND SMELTING, AS APPLIED TO THE TREATMENT OF LOW-GRADE GOLD-COPPER ORES AT SANTA FE, NEW MEXICO. By H. F. Collins. T. I. M. & M., vol. 12, p. 58. 56 pages. I.

SILVER MINING AND SMELTING IN CHINA. E. & M. J., vol. 59, p. 316. 1½ columns.

PRECIPITATION OF GOLD BY COPPER SALTS. By P. De Wilde. J. C. & M. Soc. S. A., vol. 2, p. 337, 5½ pages; p. 407, 2½ pages.

REMARKS ON THE PRECIPITATION OF GOLD IN A REVERBERATORY HEARTH. By R. W. Raymond. T. A. I. M. E., vol. 1, p. 320.

ECONOMICAL RESULTS IN THE TREATMENT OF GOLD AND SILVER ORES BY FUSION. By J. A. Church. T. A. I. M. E., vol. 1, p. 242.

THE OCCURRENCE AND TREATMENT OF CERTAIN GOLD-ORES OF PARK COUNTY, COLORADO. By B. Stadtler. T. A. I. M. E., vol. 26, p. 848.

SILVER INGOT MELTING AT THE MINT OF THE UNITED STATES AT NEW ORLEANS. By F. F. Claussen. T. A. I. M. E., vol. 16, p. 83.

ANCIENT METHOD OF SILVER-LEAD SMELTING IN PERU. By O. F. Pfordte. T. A. I. M. E., vol. 21, p. 25.

THE METALLURGY OF THE HOMESTAKE ORE. By C. W. Merrill. T. A. I. M. E., vol. 34, pp. 585, 983.

METALLURGY OF GOLD. By H. Van F. Furman. M. & M., vol. 18, pp. 1, 63, 125, 146, 256, 265, 293, 349, 416, 442, 464, 506.

TREATMENT OF ORES IN THE COONEY MINING DISTRICT, NEW MEXICO. By C. Andersen. E. & M. J., vol. 59, p. 388. 1 column.

THE TREATMENT OF ZINC-BOX PRECIPITATE. E. & M. J., vol. 63, p. 541. 1 column.

NOTES ON BY-PRODUCTS IN GOLD-MILLING. By C. Butters. E. & M. J., vol. 64, p. 698, 2 columns; p. 728, 1 column.

THE PELATAU-CLERICI PROCESS AT THE DE LAMAR MILL, IDAHO. By D. B. Huntley. E. & M. J., vol. 64, p. 155. 2½ columns. I.

TREATMENT OF GOLD ORES IN THE HAURAKI PENINSULA, NEW ZEALAND. By A. H. Bronly. E. & M. J., vol. 66, p. 575. 3½ columns. I.

THE TREATMENT OF GOLD-BEARING ARSENICAL ORES AT DELORO, ONTARIO, CANADA. By R. P. Rothwell. T. A. I. M. E., vol. 11, p. 191.

TREATMENT OF ROASTED PYRITES BY THE LONGMAID AND CLAUDET PROCESSES FOR THE EXTRACTION OF GOLD AND SILVER. By T. Egleston. T. A. I. M. E., vol. 14, p. 98.

NOTES ON THE GENERAL TREATMENT OF THE SOUTHERN GOLD-ORES AND EXPERIMENTS IN MATTING SULPHIDES. By E. G. Spilsbury. T. A. I. M. E., vol. 15, p. 767.

THE THIES PROCESS OF TREATING LOW-GRADE AURIFEROUS SULPHIDES AT THE HAILE GOLD MINE, LANCASTER COUNTY, SOUTH CAROLINA. By A. Thies and Wm. B. Phillips. T. A. I. M. E., vol. 19, p. 601.

The Desilverization of Lead-Slags. By H. A. Keller. T. A. I. M. E., vol. 21, p. 71.

The Marsac Refinery, Park City, Utah. By C. A. Stetefeldt. T. A. I. M. E., vol. 21, p. 286.

Present Stage of Metallurgy on the Witwatersrand. By G. A. and H. S. Denny. Min. Mag., vol. 12, p. 173. 34 columns. I.

Metallurgy of Gold: Description of Processes and Machinery Employed. The Occurrence of Gold; Chemical and Physical Properties; Metallurgical Processes; Crushing and Pulverizing; Amalgamation; Concentration of Gold Ores. By H. Van F. Furman. Coll. Engr. & Met. Miner, vol. 17, pp. 89, 90, 92, 154, 203, 266, 268, 300, 344, 392, 432, 486, 535.

Metallurgical Methods at Kalgoorlie, Western Australia. By E. B. Hack. E. & M. J., vol. 75, p. 150. 4⅔ columns. I.

Gold from Silver. By S. H. Emmens. Coll. Engr. & Met. Miner, vol. 17, p. 94. 3 columns.

Notes on the Treatment of Gold Slimes in Venezuela. By L. Symonds. T. I. M. & M., vol. 12, p. 392. 6 pages.

Notes on the Treatment of Refractory Low-Grade Gold Ores at the Auro Preto Gold Mine, Brazil. By S. J. McCormick. T. I. M. & M., vol. 5, p. 116.

Notes on the Treatment of the Gold Ores of the Guanaco Mineral District, Desert of Atacama, Chili. By G. M. Barber. T. I. M. & M., vol. 5, p. 99.

Improvements in Gold Extraction. By H. L. Sulman. T. I. M. & M., vol. 3, pp. 202, 234.

On the Development of Silver Smelting in Mexico. By O. H. Hahn. T. I. M. & M., vol. 8, p. 231.

Dust Chamber Design. By M. J. Welch. E. & M. J., vol. 78, p. 348. 5 columns. I.

Notes on the Treatment of Kalgoorlie Sulpho-Telluride Ores. By A. James. T. I. M. & M., vol. 8, p. 484.

Notes on the Experimental Treatment of a Gold Ore from the Hannan's District, Coolgardie, West Australia. By A. C. Claudet. T. I. M. & M., vol. 5, p. 327.

Some Peculiarities Occurring in the Melting of Gold and Silver Bullion of Various Finenesses. By G. Attwood. T. I. M. & M., vol. 6, p. 338.

The Concentration of Gold and Silver in Iron Bottoms. By M. F. N. Bolles. T. A. I. M. E., vol. 35, p. 666, 30 pages, I.; p. 1019, 4 pages.

The Refining of Sulphides Obtained in the Lixiviation Process with Hyposulphite Solutions. By C. A. Stetefeldt. T. A. I. M. E., vol. 20, p. 37.

Silver and Gold from Black Copper. Min. & Sci. Press, vol. 52, p. 177, 2⅞ columns, I.; p. 193, 1 column, I.; p. 209, ¾ column, I.; p. 224, 1 column.

Treatment of Dry and Base Silver Ores. Min. & Sci. Press, vol. 51, p. 86, 3 columns; p. 102, 2½ columns.

Separation of Silver from Gold by Volatilization. By J. W. Richards. Min. & Sci. Press, vol. 73, p. 4. 1½ columns.

Improved Process for Reducing and Saving Precious Metals. Min. & Sci. Press, vol. 73, p. 256. 3 columns.

Extraction of Gold from Sulphurets. By C. H. Aaron. Min. & Sci. Press, vol. 43, p. 176, 2 columns; p. 192, 2⅓ columns.

Refining Gold Containing Copper. Min. & Sci. Press, vol. 45, p. 310. ½ column.

New Treatment of Auriferous Ores. Min. & Sci. Press, vol. 45, p. 321. 4 columns +. I.

Working Auriferous Silver Ores. Min. & Sci. Press, vol. 45, p. 345. 2 columns.

Wet Process of Extracting Gold and Silver. Min. & Sci. Press, vol. 45, p. 376. ⅞ column.

Refining of Gold and Silver Amalgam. Min. & Sci. Press, vol. 39, p. 396. 2 columns.

Mining and Metallurgical Methods of the Waihi Gold Mining Company, New Zealand. By F. N. Rhodes. Min. Mag., vol. 13, p. 15. 16 columns. I.

An Improved Process of Extracting Gold Ores. By W. M. Grosvenor, Jr. E. & M. J., vol. 61, p. 424. 1⅔ columns. I.

A New Process for Treating Silver Sulphide and Gold Ore. By M. Vaygouny. E. & M. J., vol. 78, p. 1033. 5 columns.

Metallurgy of the Transvaal. E. & M. J., vol. 77, p. 928. 1 column.

Treatment of Matte from the Cyanide Mill. By A. E. Drucker. Min. & Sci. Press, vol. 94, p. 638. 1½ columns.

Metallurgical Development on the Rand. Min. & Sci. Press, vol. 92, p. 364. 3 columns.

Other Metallurgical Processes at Pachuca, Mexico. By T. A. Rickard. Min. & Sci. Press, vol. 93, p. 691. 6 columns. I.

Sulpho-Telluride Ore Treatment in Western Australia. Gold Min. & Mill. W. Aus., p. 290. 144 pages. I.

On the Method of Extracting Gold, Silver, and Other Metals from Pyrites. By W. A. Dixon. E. & M. J., vol. 27, p. 351, 2 columns; p. 372, 1½ columns; p. 407, 3 columns; p. 429, 2 columns.

Treatment of Silver-Lead (Oxidized) Ores of Aspen, Colorado. By S. I. Hallett. Min. & Sci. Press, vol. 86, p. 278. 2½ columns.

Gold Reduction Plant on the Rand. Min. & Sci. Press, vol. 87, p. 271. D.

Treatment of Refractory Silver and Gold Ores at the Mine. By R. C. Campbell-Johnson. Min. & Sci. Press, vol. 84, p. 60. 1½ columns.

Observations on the Metallurgical Practice of the Witwatersrand. By H. S. Denny. J. C. & M. Soc. S. A., vol. 4, p. 116. 116 pages. I.

Sweep Smelting and Refining of Gold, Silver and Platinum Metals. By W. Bettel. J. C. & M. Soc. S. A., vol. 1, p. 18. 4 pages.

Recent Innovations in Rand Metallurgical Practice. By G. A. and H. S. Denny. E. & M. J., vol. 82, p. 1217. 10½ columns. I.

Matting Dry Auriferous Silver-Ores. By W. L. Austin. T. A. I. M. E., vol. 16, p. 257.

The Burfiend Process for Gold and Silver. By E. B. Wilson. M. & M., Sept., 1901, p. 65. ½ column.

Reduction of Gold-Zinc Slimes. Min. & Sci. Press, vol. 75, p. 123. 1½ columns.

Reduction of Zinc-Gold Slimes. Min. & Sci. Press, vol. 75, p. 289. 2 columns.

Fluxing of Gold Slimes. By C. E. Meyers. P. C. M. & M. Soc. S. A., vol. 5, p. 168. 3 columns.

The Smelting and Refining of Zinc-Gold Slimes. By E. H. Johnson and W. A. Caldecott. J. C. & M., Soc. S. A., vol. 3, p. 46. 20 pages. I.

The Possibility of Extracting Precious Metals from Sea Water. E. & M. J., vol. 53, p. 570. ½ column.

Treatment of Telluride Ores by Dry-Crushing and Roasting at Kalgoorlie, Western Australia. By W. E. Simpson. T. I. M. & M., vol. 13, p. 22. 38 pages. I.

Roasting Telluride Ores at Kalgoorlie, Western Australia. T. I. M. & M., vol. 13, p. 22. 38 pages. I.

Roasting of Gold and Silver Ores' Min. & Sci. Press, vol. 23, p. 184. ⅔ column.

Chloridizing Roasting of Silver Ores in Mexico. By E. Stein. E. & M. J., vol. 78, p. 346. 4 columns.

Temperature in Roasting Gold Ore. By W. E. Greenwalt. E. & M. J., vol. 80, p. 145. 3 columns.

Roasting and Filter-Press Treatment at Kalgoorlie. By J. T. Marriner. E. & M. J., vol. 76, p. 352. 4½ columns.

The Volatilization of Silver in Chloridizing-Roasting. By L. D. Godshall. T. A. I. M. E., vol. 26, p. 53.

Roasting Gold Ores. By H. Van F. Furman. M. & M., vol. 18, p. 416, 4 columns, I.; p. 442, 4 columns, I.; p. 506, 2½ columns, I.

Roasting Previous to Cyaniding. By W. Macgregor. E. & M. J., vol. 64, p. 187. 1½ columns.

The Losses in Roasting Gold-Ores and the Volatility of Gold. By S. B. Christy. T. A. I. M. E., vol. 17, p. 3.

The Process Used at the Comstock for Refining Coppery Bullion Produced by Amalgamating Tailings. By A. D. Hodges, Jr. T. A. I. M. E., vol. 14, p. 731.

The Refining and Toughening of Impure Bullion. Min. & Sci. Press, vol. 93, p. 318. 3 columns.

Note on the Refining of Base Bullion. By W. Dowling. P. C. M. & M. Soc. S. A., vol. 5, p. 224. 5¾ columns.

The Production of High-Grade Gold Bullion from Zinc-Box Precipitates. By C. J. Morris. T. I. M. & M., vol. 15, p. 543. 7½ pages.

Refining Gold Bullion and Cyanide Precipitates with Oxygen Gas. By T. K. Rose. T. I. M. & M., vol. 14, p. 378. 63 pages.

Notes on Gold Bullion. By A. C. Claudet. T. I. M. & M., vol. 14, p. 542. 6 pages.

Realization of West Australia Bullion. By W. Bramall. T. I. M. & M., vol. 14, p. 546. 5½ pages.

Metallurgy of Copper

Copper Smelting: Its History and Processes. By H. Hussey. E. & M. J., vol. 31, p. 213, 3¾ columns; p. 229, 4 columns; p. 249, 3⅔ columns; p. 266, 2½ columns.

Copper Smelting: Its History and Processes. By H. H. Vivian. Min. & Sci. Press, vol. 42, p. 242, 2 columns; p. 258, 2 columns; p. 274, 2 columns; p. 290, 1⅞ columns; p. 306, 2 columns; p. 322, 1¾ columns; p. 338, 1⅞ columns; p. 354, 2¼ columns; p. 370, 2 columns.

A Japanese Copper Reduction Works. By W. L. Hildburgh. Sch. Mines Quart., vol. 23, p. 74. 6 pages. I.

Behavior of Molten Copper and Lead in Water. M. & M., July, 1903, p. 551.

A Native Process of Smelting Copper Ores in the State of Jalisco, Mexico. By W. B. Devereux. T. A. I. M. E., vol. 11, p. 106.

Width of Furnace Relative to Tonnage in Copper Matte Blast Furnace Practice. By W. R. Van Liew. E. & M. J., vol. 75, p. 442. 3 columns.

Modern American Methods of Copper Smelting. By E. D. Peters. E. & M. J., vol. 39, pp. 228, 242, 262, 278, 295, 313, 335, 351, 374, 388, 409, 424, 442.

Copper and Copper Smelting. E. & M. J., vol. 37, p. 439. 2 columns.

The Constitution of Mattes Produced in Copper Smelting. By A. Gibb and R. C. Phip. T. A. I. M. E., vol. 36, p. 665. 17 pages.

Reverberatory Practice on Lake Superior. Min. & Sci. Press, vol. 93, p. 16. 1 column.

The Big Furnaces of the Anaconda Smelter. Min. & Sci. Press, vol. 93, p. 141. 6 columns. I.

Notes on Reverberatory Furnace Smelting at Anaconda. By A. M. Hamilton. J. C. M. I., vol. 8, p. 349. 8 pages.

The Kiddle Hot-Blast System for Copper-Smelting Furnaces. By E. Jacobs. E. & M. J., vol. 82, p. 598. 9½ columns. I.

Lead and Copper Smelting at Salt Lake. By W. R. Ingalls. E. & M. J., vol. 84, p. 527, 14½ columns, I.; p. 575, 13 columns, I.

Use of Wood in Matte Smelting, Together with Results of a New Hot-Blast Stove. By S. E. Bretherton. E. & M. J., vol. 82, p. 1013. 2 columns. I.

Copper Smelting at Mammoth Plant, Kennett, California. By A. S. Haskell. M. & M., vol. 28, p. 392. 4 columns. I.

Copper Smelting. By H. M. Howe. U. S. G. S., Bull. No. 26. 107 pages. 1885.

The Cupola Smelting of Copper in Arizona. U. S. G. S., Mineral Resources for 1883–84, pp. 397–410. 1885.

Historical Sketch of Smelting and Refining Lake Copper. By J. B. Cooper. T. L. S. M. I., vol. 7, p. 44. 6 pages. I.

Notes on the Metallurgy of Copper of Montana. By H. O. Hofman. T. A. I. M. E., vol. 34, p. 258.

Composition of Copper Matte. M. & M., June, 1903, p. 502. ¼ column.

A Cause for Inaccuracy in Calorimetric Copper Determinations. By G. A. Koenig. T. L. S. M. I., vol. 7, p. 65. 4 pages.

The Extraction of Copper at Agordo. By T. Egleston. Sch. Mines Quart., vol. 9, p. 124, 16 pages, I.; p. 256, 22 pages.

Mining and Treatment of Tharsis Copper Ores. By C. F. Courtney. E. & M. J., vol. 61, p. 327. 1 column.

Notes on the Metallurgy of Copper, Lead, and Zinc. By W. R. Ingalls. Min. Mag., July, 1904, p. 15. 15 columns. I.

The Chemistry and Metallurgy of Copper. By C. S. Palmer. E. & M. J., vol. 79, p. 82, 6 columns; p. 420, 7 columns.

The "Direct" Method Considered as the Future Metallurgical Treatment of Copper Ores, Argentiferous or Otherwise. By C. James. T. I. M. & M., vol. 5, p. 2.

The Treatment of Copper Slates at Mansfeldt. By T. Egleston. Sch. Mines Quart., vol. 12, p. 85, 32 pages, I.; p. 193, 24 pages, I.

Treatment of Low-Grade Copper-Ores in Australia. By J. J. Muir. T. I. M. E., vol. 23, p. 517, 10 pages, I.; by E. D. Peters, vol. 24, p. 315, 7 pages.

Investigations of the Ore Knob Copper Process. By T. Egleston. T. A. I. M. E., vol. 10, p. 25.

The Utilization of the Iron and Copper Sulphides of Virginia, North Carolina and Tennessee. By C. R. Boyd. T. A. I. M. E., vol. 14, p. 81.

A New Method of Extracting Copper from its Sulphide Ores. By G. Gin. E. & M. J., vol. 76, p. 157. ⅔ column.

Copper Extraction at Falun. E. & M. J., vol. 74, p. 278. ⅔ column.

The Payne-Gillies Copper Process. E. & M. J., vol. 77, p. 362. 2⅓ columns.

Copper Losses in Blast Furnace Slags. E. & M. J., vol. 77, p. 395. 2 columns. D.

The Testing and Control of the Product in a Modern Copper Refinery. By G. L. Heath. T. L. S. M. I., vol. 7, p. 68. 13 pages.

Bessemer Copper Converters. E. & M. J., vol. 77, p. 437. 5⅔ columns. I.

The Economic Treatment of Low-Grade Copper Ores. By C. Vautin. T. I. M. & M., vols. 1 and 2, p. 59.

The "Direct" Method of Producing Refined Copper. By C. Vautin. T. I. M. & M., vol. 2, p. 76.

Mining and Treatment of Copper-Ore at the Wallaroo and Moonta Mines, South Australia. By H. L. Hancock. T. I. M. E., vol. 22, p. 461. 23 pages. I.

A Study of the Elimination of Impurities from Copper-Mattes in the Reverberatory and the Converter. By E. Keller. T. A. I. M. E., vol. 28, pp. 127, 816.

Recent Copper Smelting at Lake Superior. By L. S. Austin. E. & M. J., vol. 81, p. 83. 2 columns. I.

Notes on the Treatment of Scrap Copper. By M. Barnett. E. & M. J., vol. 58, p. 393. 1⅔ columns.

Metallurgy of the Copper-Silver Ores of Inyo County, California. By S. Purnell. Min. & Sci. Press, vol. 31, p. 145, 4 columns, I.; p. 168, 1½ columns; p. 185, 2 columns, I.; p. 200, 1 column; p. 217, 3 columns, I.; p. 232, 3 columns; p. 249, 3 columns, I.

Overfire in Copper-Matting Blast-Furnace Smelting Practice. By L. S. Austin. Min. & Sci. Press, vol. 94, p. 31 (? 825). ¾ column.

Note on the Extraction of Copper from Atacamite. By N. Argandona. E. & M. J., vol. 82, p. 205. 1 column.

The Metallurgy of Copper in Chile. By A. Gmehling. E. & M. J., vol. 82, p. 456. 6 columns+. I.

The Elimination of Copper in Ore and Matte. Min. & Sci. Press, vol. 93, p. 267. 3¼ columns.

Moss Copper on Matte. By C. S. Palmer. Min. & Sci. Press, vol. 93, p. 604. 2½ columns.

The Metallurgy of Copper at Anaconda, Montana. By A. B. Mallon. Min. & Sci. Press, vol. 90, p. 315. 1¾ columns.

An Improved Forced Method of Treatment of Low-Grade Copper-Ores. By J. J. Muir. T. I. M. E., vol. 26, p. 40. 7 pages.

Welsh Process of Copper-Smelting. By J. R. Williams. J. C. & M. Soc. S. A., vol. 1, p. 177. 6½ pages.

Copper Smelting in Utah. By R. B. Brinsmade. M. & M., vol. 28, p. 178. 10 columns. I.

Smelting the Kedabeg Copper Ores. T. I. M. & M., vol. 14, p. 512. 20 pages. I.

Treatment of Cupriferous Pyrites at Huelva, Spain. E. & M. J., vol. 50, p. 741. 3 columns.

The McMurtry-Rogers Process for Desulphurizing Copper Ores and Matte. By T. C. Cloud. T. I. M. & M., vol. 16, p. 311. 16 pages.

Roasting the Kedabeg Copper Ores, Russia. T. I. M. & M., vol. 14, p. 508. 3 pages. I.

Heap Roasting of Copper. Min. & Sci. Press, vol. 87, p. 1. 1 column. I.

Copper Ore in Heaps (Roasting). Min. & Sci. Press, vol. 57, p. 189. ½ column.

The Huntington-Heberlein Process. E. & M. J., vol. 81, p. 1005. 6 columns.

Roasting Copper Ore in Piles. Min. & Sci. Press, vol. 48, p. 384. ⅔ column.

The Roasting of Copper Ores and Furnace Products. By E. D. Peters. U. S. G. S., Mineral Resources for 1882, pp. 280–297. 1883.

Roasting Copper Ore at Keswick, California. By T. Neilson. E. & M. J., vol. 68, p. 457. 2⅔ columns.

Copper Converter Melting Its Own Matte. By E. Jacobs. E. & M. J., vol. 82, p. 440. 2¾ columns. I.

Lining and Drying Copper Converters. By H. L. Charles. E. & M. J., vol. 83, p. 1046. 1 column+. I.

A Modern Copper Converter. By G. R. Shipley. M. & M., vol. 27, p. 570. 3 columns. I.

The Copper-Smelting Works at Humboldt, Arizona. By E. H. Hamilton. E. & M. J., vol. 83, p. 901. 4¼ columns. I.

UTAH'S LARGEST COPPER SMELTER. By R. B. Brinsmade. M. & M., vol. 28, p. 305. 11 columns. I.

THE POINT SHIRLEY COPPER WORKS. By T. Egleston. Sch. Mines Quart., vol. 7, p. 360. 24 pages.

THE MICHIGAN SMELTER. By R. T. White. E. & M. J., vol. 79, p. 842. 7 columns. I.

ANACONDA COPPER MINING COMPANY'S NEW REDUCTION WORKS. E. & M. J., vol. 73, p. 311. 8 columns. I.

THE DE LAMAR COPPER REFINERY. By Prefahl. E. & M. J., vol. 81, p. 73. 3½ columns.

THE TACOMA COPPER REFINERY. By D. A. Willey. E. & M. J., vol. 82, p. 147. 1½ columns. I.

REFINERY OF RIO-TINTO COMPANY, PORT TALBOT, WALES. By E. Walker. E. & M. J., vol. 84, p. 111. 5 columns. I.

THE WASHOE SMELTER. M. & M., vol. 28, p. 37. 8 columns. I.

THE BRITISH COLUMBIA COPPER COMPANY'S MINE AND SMELTER. By F. G. Wickware. J. C. M. I., vol. 9, p. 333. 28 pages. I.

WASHOE REDUCTION WORKS, ANACONDA, MONTANA. M. & M., vol. 28, p. 131. 4 columns. I.

WASHOE REDUCTION WORKS. M. & M., vol. 28, p. 248. 7¼ columns. I.

Metallurgy of Iron

ROASTING AND SMELTING PLANT AT LONDONDERRY IRON WORKS. By R. G. Leckie. J. M. Soc. N. S., vol. 1, p. 50, pt. 3. 2½ pages.

CALCINATION ("Rucking") OF IRONSTONE IN NORTH STAFFORDSHIRE, ENGLAND. T. I. M. E., vol. 27, p. 107. 5 pages. I.

ROASTING PYRITES. Sch. Mines Quart., vol. 7, p. 171. 4 pages.

ROASTING IRON ORES. Rept. Census Office, Mines & Quarries, 1902, p. 420. 3 columns.

ROASTING IRON-ORES. By J. Birkinbine. T. A. I. M. E., vol. 12, p. 361.

NOTES ON THE ROASTING OF HUDSON RIVER CARBONATES. By I. Olmsted. T. A. I. M. E., vol. 17, p. 275.

THE DESULPHURIZATION OF PYRITIFEROUS IRON-ORES. By S. G. Valentine. T. A. I. M. E., vol. 18, p. 78.

ROASTING-KILN AT THE MUSCONETCONG IRON-WORKS, NEW JERSEY. By I. P. Pardee. T. A. I. M. E., vol. 15, p. 678.

AMERICAN BLAST-FURNACE PROGRESS. By J. Birkinbine. U. S. G. S., Mineral Resources for 1883–84, pp. 290–311. 1885.

THE OPERATION OF THE IRON BLAST FURNACE. By B. Stoughton. E. & M. J., vol. 84, p. 307. 6 columns. I.

THE INVENTION OF THE BESSEMER PROCESS. By J. D. Weeks. T. A. I. M. E., vol. 26, p. 980.

NOTES ON THE SELECTION OF IRON-ORES, LIMESTONES, AND FUELS FOR THE BLAST-FURNACE. By F. W. Gordon. T. A. I. M. E., vol. 21, p. 61.

A METHOD OF ASCERTAINING THE VALUE OF IRON ORE, LIMESTONE AND COKE IN BLAST FURNACE USE. By R. E. Chambers. J. M. Soc. N. S., vol. 3, p. 68. 8 pages.

UTILIZATION OF IRON AND STEEL SLAGS. By E. C. Eckel. U. S. G. S., Bull. No. 213, pp. 221–231. 1903.

THE AMERICAN IRON INDUSTRY FROM ITS BEGINNING IN 1619 TO 1886. By J. M. Swank. U. S. G. S., Mineral Resources for 1886, pp. 23–38. 1887.

THE PRESENT TECHNICAL CONDITION OF THE STEEL INDUSTRY OF THE UNITED STATES. By P. Barnes. U. S. G. S., Bull. No. 25. 85 pages. 1885.

SUGGESTED IMPROVEMENTS IN THE MANUFACTURE OF BAR IRON. By S. Peters. P. E. Soc. W. Pa., vol. 15, p. 222. 9 pages.

THERMAL CONDITION OF IRON AND STEEL UNDER STRESS AND MEASUREMENT OF STRESS BY MEANS OF THERMO-ELECTRICITY. By C. A. P. Turner. P. E. Soc. W. Pa., vol. 13, p. 384. 27½ pages. I.

CAST IRON. By R. Moldenke. P. E. Soc. W. Pa., vol. 14, p. 240. 24 pages.

EFFECT OF TEMPERATURE ON STRENGTH OF WROUGHT IRON AND STEEL. By R. C. Carpenter. J. W. Soc. E., vol. 1, p. 110. 2 pages. D.

THE BIRTH AND GROWTH OF THE STEEL INDUSTRY IN AMERICA. By J. N. Hatch. J. W. Soc. E., vol. 11, p. 399. 8½ pages.

THE PLASTIC YIELDING OF IRON AND STEEL. By W. Rosenhain. Engineering, London, vol. 78, p. 354, 7 columns, I.; p. 385, 9 columns.

IRON MAKING IN NOVA SCOTIA EARLY IN THE CENTURY. By H. S. Poole. J. M. Soc. N. S., vol. 2, p. 144. 8 pages.

ANNEALING STEEL CASTINGS. By F. H. Sexton. J. M. Soc. N. S., vol. 9, p. 140. 20 pages. I.

HEAT-TREATMENT EXPERIMENTS WITH CHROME-VANADIUM STEEL. By H. R. Sankey. Engineering, London, vol. 78, p. 904. 19 columns. I.

THE MANUFACTURE AND CHARACTERISTICS OF WROUGHT-IRON. By J. P. Roe. T. A. I. M. E., vol. 36, p. 203, 12 pages, D.; p. 807, 20 pages.

THE APPLICATION OF DRY-AIR BLAST TO THE MANUFACTURE OF IRON. By J. Gayley. T. A. I. M. E., vol. 36, p. 315, 10 pages; p. 745, 46 pages.

ALLOYS USED FOR STEEL MAKING. By J. Ohly. M. & M., vol. 24, p. 109. 2¾ columns.

GRADING PIG IRON. E. & M. J., vol. 81, p. 808. 3 columns.

THE DETERMINATION OF GRAPHITE IN PIG-IRON. By P. W. Shimer. T. A. I. M. E., vol. 25, p. 395.

THE GRADING OF PIG-IRON. By E. T. Clymer. T. A. I. M. E., vol. 21, p. 605.

A COMPARISON OF RECENT PHOSPHORUS DETERMINATIONS IN STEEL. By G. E. Thackeray. T. A. I. M. E., vol. 25, pp. 370, 1012.

NICKEL AND NICKEL-STEEL. By F. L. Sperry. T. A. I. M. E., vol. 25, pp. 51, 961.

THE INFLUENCE OF CARBON PHOSPHORUS MANGANESE AND SULPHUR ON THE TENSILE STRENGTH OF OPEN-HEARTH STEEL. By H. H. Campbell. T. A. I. M. E., vol. 35, p. 772, 38 pages; p. 1043.

MANGANESE IN CAST-IRON. By W. J. Keep. T. A. I. M. E., vol. 20, p. 291.

NOTE ON COPPER IN IRON AND STEEL. By R. W. Raymond. T. A. I. M. E., vol. 26, p. 534.

PYROMETRY AND THE HEAT TREATMENT OF STEEL. By H. M. Howe. T. A. I. M. E., vol. 24, p. 746.

BENJAMIN HUNTSMAN, OF SHEFFIELD, THE INVENTOR OF CRUCIBLE STEEL. By R. A. Hadfield. T. A. I. M. E., vol. 24, p. 170.

NEW PROCESS FOR THE ELIMINATION OF SULPHUR FROM IRON AND STEEL. E. & M. J., vol. 58, p. 321. 1 column.

STEEL MAKING IN THE UNITED STATES BEFORE 1810. By W. F. Durfee. E. & M. J., vol. 52, p. 528. 1⅓ columns.

THE BEGINNING OF IRON-MAKING IN AMERICA. E. & M. J., vol. 50, p. 646. ½ column.

HOT BLAST GENERATION. By H. Haas. E. & M. J., vol. 78, p. 1028. 6⅔ columns. I.

SMELTER SMOKE AND AGRICULTURE, E. & M. J., vol. 78, p. 515. 1½ columns.

THE NORTHERN IRON COMPANY'S BLAST FURNACE. By J. H. Granbery. E. & M. J., vol. 82, p. 98. 12 columns. I.

NOTES ON THE PHYSICAL ACTION OF A BLAST-FURNACE. By J. E. Johnson. T. A. I. M. E., vol. 36, p. 454. 34 pages. D.

THE USE OF HIGH PERCENTAGE OF FINE ORE IN A CHARCOAL BLAST-FURNACE. By H. R. Hall. T. A. I. M. E., vol. 36, p. 360. 3¾ pages.

OXIDE IN IRON, STEEL, ETC. By T. Tonnete and R. B. Carnahan. P. E. Soc. W. Pa., vol. 12, p. 295. 6 pages.

FIFTEEN YEARS' EXPERIENCE IN OPEN HEARTH STEEL. By W. E. Kock. P. E. Soc. W. Pa., vol. 4, p. 43. 14 pages.

EUROPEAN BESSEMER PRACTICE IN SMALL CONVERTERS. P. E. Soc. W. Pa., vol. 6, p. 125. 13 pages.

DEFECTS IN DESIGN OF OPEN-HEARTH STEEL-MELTING FURNACES. P. E. Soc. W. Pa., vol. 6, p. 161. 13 pages.

THE DANK PUDDLING FURNACE. By J. I. Williams. P. E. Soc. W. Pa., vol. 1, p. 137. 28 pages.

AVAILABLE POWER AND COST OF OPERATION OF A POWER STATION FOR WASTE GASES FROM A BLAST FURNACE PLANT. By H. Freyn. J. W. Soc. E., vol. 11, p. 65. 43 pages. I.

OPEN-HEARTH FURNACES. By G. L. Luetscher. P. E. Soc. W. Pa., vol. 21, p. 93. 24 pages. I.

A FURTHER STUDY OF SEGREGATION IN INGOTS. By H. M. Howe. E. & M. J., vol. 84, p. 1011. 11½ columns. D.

NATIVE METHODS OF SMELTING AND MANUFACTURING IRON IN JABALPUR, CENTRAL PROVINCES, INDIA. By F. H. Wynne. T. I. M. E., vol. 26, p. 231. 16 pages. I.

CHARGING A MODERN IRON BLAST FURNACE. By B. Stoughton. E. & M. J., vol. 84, p. 347. 4 columns.

COMPARISON OF AMERICAN AND FOREIGN RAIL SPECIFICATIONS, WITH A PROPOSED STANDARD SPECIFICATION TO COVER AMERICAN RAILS ROLLED FOR EXPORT. By A. L. Colby. T. A. I. M. E., vol. 37, p. 576. 51½ pages.

THE CRYSTALLOGRAPHY OF IRON. By F. Osmond and G. Cartand. T. A. I. M. E., vol. 37, p. 813. 47 pages. I.

IMPROVEMENTS IN ROLLING IRON AND STEEL. By J. E. York. T. A. I. M. E., vol. 37, p. 859. 21 pages. I.

NOTES ON THE GAYLEY DRY-AIR BLAST-PROCESS. By C. A. Meissner. T. A. I. M. E., vol. 37, p. 201. 38 pages. I.

CHROME PLANT OF UNITED STATES METALS REFINING COMPANY. By L. Addicks. E. & M. J., vol. 83, p. 1001. 12½ columns. I.

STEEL MAKING AT PUEBLO. By L. Lewis. E. & M. J., vol. 83, p. 234, 5 columns, I.; p. 371, 16 columns, I.

THE BLAST FURNACES AT THE MINNEQUA STEEL WORKS. By L. Lewis. E. & M. J., vol. 83, p. 178. 10 columns. I.

UTILIZATION OF IRON AND STEEL SLAGS. By E. C. Eckel. U. S. G. S., Bull. No. 213, pp. 221–231. 1903.

HIGH-PRESSURE HYDRAULIC PRESSES IN IRON-WORKS. By R. M. Doelen. T. A. I. M. E., vol. 21, p. 321.

THE APPLICATION OF DRY-AIR BLAST TO THE MANUFACTURE OF IRON. By J. Gayley. Min. Mag., Oct.-Nov., 1904, p. 323. 2½ columns.

Metallurgy of Lead

THE NEW METHODS OF DESULPHURIZING GALENA. By W. Borchers. E. & M. J., vol. 80, p. 398. 7¼ columns.

THE LIME-ROASTING OF GALENA. By W. R. Ingalls. T. A. I. M. E., vol. 37, p. 627. 20 pages.

THE DESULPHURIZATION OF SLIMES BY HEAP ROASTING AT BROKEN HILL. By E. J. Harwood. E. & M. J., vol. 76, p. 270. 4 columns.

DIRECT DESULPHURIZATION OF GALENA BY THE AIR BLAST. By A. Savelsberg. Min. Mag., vol. 12, p. 391. 12 columns. I.

LIME ROASTING OF GALENA. By W. M. Hutchings. E. & M. J., vol. 80, p. 726. 6 columns.

THEORETICAL ASPECT OF LEAD-ORE ROASTING. By C. Guilleman. E. & M. J., vol. 81, p. 470. 4½ columns.

Lead Smelting in Utah. By R. B. Brinsmade. M. & M., vol. 28, p. 216. 7 columns. I.

Weight of Charge as Affecting Reduction in Silver-Lead Smelting. By L. S. Austin. Min. & Sci. Press, vol. 94, p. 61. ⅔ column.

Silver-Lead Smelting Practice. By L. S. Austin. Min. & Sci. Press, vol. 94, p. 252, 3 columns, I.; p. 341, 3¾ columns; p. 537, 2½ columns; p. 762, 2¼ columns.

Present Position of Lead Smelting in Germany. By F. T. Havard. E. & M. J., vol. 82, p. 337. 5½ columns.

The Smelting of Argentiferous Lead in the Far West. By O. H. Hahn. E. & M. J., vol. 36, p. 112, 5 columns; p. 132, 3 columns; p. 152, 2½ columns.

Silver-Lead Mining and Smelting in Burma. E. & M. J., vol. 45, p. 342. 1½ columns.

Silver-Lead Smelting Practice. Min. & Sci. Press, vol. 68, p. 197, 2⅓ columns; p. 213, 2 columns.

A Modern Silver-Lead Smelting Plant. By L. S. Austin. T. A. I. M. E., vol. 26, pp. 388, 1095.

Lead Smelting in Reverberatory Furnaces at Desloge, Missouri. By W. R. Ingalls. E. & M. J., vol. 80, p. 1111. 5 columns.

Electric Smelting of Complex Sulphides. By A. A. Beadle. E. & M. J., vol. 77, p. 479. 3 columns.

Lead Smelting. Min. & Sci. Press, vol. 51, pp. 321, 373, 389; vol. 52, p. 7, ⅔ column, I.

Notes on Lead Smelting in Nevada and Utah. By O. H. Hahn. E. & M. J., vol. 12, p. 307, 1½ columns; p. 323, 3 columns; p. 336, 4 columns, I.

Lead-Smelting Works of Monteponi, Sardinia. By E. Ferraris. Min. Mag., vol. 12, p. 191. 9 columns. I.

Lead Smelting–Roasting vs. Fusing. By E. L. Newhouse. E. & M. J., vol. 51, p. 260. 1½ columns.

Lead Smelting in the Scotch Hearth. By K. W. M. Middleton. E. & M. J., vol. 80, p. 10. 5 columns.

The Bornettes-Method of Lead and Copper Smelting. By A. Lotti. E. & M. J., vol. 80, p. 580. 7 columns. I.

Lead Smelting in Spain. By H. Eriksson. E. & M. J., vol. 76, p. 734. 2½ columns. I.

Lead-Smelting at Monteponi, Sardinia. By E. Ferraris. E. & M. J., vol. 80, p. 781. 9 columns. I.

Lead Smelting of Zinc-Gold Slimes. E. & M. J., vol. 75, p. 563. 1½ columns.

Lead and Silver Smelting in Chicago. By J. L. Jernegan. T. A. I. M. E., vol. 2, p. 279.

Notes on Lead-Smelting in Southeastern Missouri. By J. F. Kemp. Sch. Mines Quart., vol. 9, p. 212. 8 pages. I.

Lead Smelting without Fuel. E. & M. J., vol. 74, p. 574. 2 columns. I.

The Reduction Works of the Mount Stewart Lead and Silver Mining Company, Leadville, New South Wales. By F. M. Drake. T. A. I. M. E., vol. 21, p. 874.

Note on Smelting a Lead-Copper Ore. By P. R. Robert. T. I. M. & M., vol. 9, p. 262. 8 pages.

Lead Smelting in the Joplin, Missouri, District: Early History and the Different Processes Now in Use. By E. Hedburg. M. & M., vol. 18, p. 554, 3⅔ columns, I.; vol. 19, p. 103, 2¼ columns, I.

Lead Smelting in Southeast Missouri: A Description of the Different Methods Used, and the Advantages and Disadvantages of Each. By R. B. Brinsmade. M. & M., Feb., 1902, p. 300. 3 columns.

THE MINING AND METALLURGY OF LEAD AND ZINC IN THE UNITED STATES. By F. L. Clerc. U. S. G. S., Mineral Resources for 1882, pp. 358–386. 1883.

RECENT IMPROVEMENTS IN DESILVERIZING LEAD IN THE UNITED STATES. By H. O. Hofmann. U. S. G. S., Mineral Resources for 1883–84, pp. 462–473. 1885.

LEAD SLAGS. By M. W. Iles. U. S. G. S., Mineral Resources for 1883–84, pp. 440–462. 1885.

THE SMELTING OF ARGENTIFEROUS LEAD ORES IN THE FAR WEST. By O. H. Hahn. U. S. G. S., Mineral Resources for 1882–1883, pp. 324–345.

THE LEAD CHAMBER. By E. Divers. E. & M. J., Mar. 9, 1905, p. 457. Jour. Chem. Ind., Dec. 31, 1904.

PROGRESS OF THE SILVER-LEAD METALLURGY OF THE WEST DURING 1874. By A. Eilers. T. A. I. M. E., vol. 3, p. 307.

BAG-HOUSES FOR SAVING FUMES. E. & M. J., vol. 80, p 55. 4 columns. I.

THE METALLURGY OF LEAD. By J. B. Haunay. T. I. M. & M., vol. 2, pp. 171, 211.

THE LEWIS AND BARTLETT BAG-PROCESS OF COLLECTING LEAD-FUMES AT THE LONE ELM WORKS, JOPLIN, MISSOURI. By F. P. Dewey. T. A. I. M. E., vol. 18, p. 674.

TREDINNICK'S PROCESS FOR DESILVERIZING LEAD. By L. S. Austin. Min. & Sci. Press, vol. 94, p. 89. 3 columns. I.

THE BISCHOF WHITE-LEAD PROCESS. By W. Ramsay. E. & M. J., vol. 82, p. 297. 1 column.

NOTES ON SMELTING A LEAD-COPPER ORE. By P. R. Robert. T. I. M. & M., vol. 9, p. 262. 8 pages.

LEAD SMELTING OF ZINC-GOLD SLIMES. By P. S. Tavener. J. C. & M. Soc. S. A., vol. 3, p. 112. 48 pages.

RESULTS OF BAG-HOUSE EXPERIMENT IN CONNECTION WITH TAVENER'S PROCESS. By H. Rusden. P. C. M. & M. Soc. S. A., vol. 5, p. 288. 2½ columns. I.

THE ESTIMATION OF LEAD IN SLAGS AND OTHER BY-PRODUCTS. By D. J. Williams. J. C. & M. Soc. S. A., vol. 2, p. 61. 5 pages.

THE REFINING OF LEAD BULLION. By F. L. Piddington. E. & M. J., vol. 76, p. 506. 3⅔ columns.

REFINING OF LEAD BULLION. By F. L. Piddington. J. C. & M. Soc. S. A., vol. 3, p. 361. 7 pages.

STONE-COAL IN THE LEAD BLAST-FURNACE. By J. W. Neill. T. A. I. M. E., vol. 20, p. 165.

THE LEAD-SMELTING WORKS OF PORT PIRIE. By G. D. Delprat. E. & M. J., vol. 83, p. 516. 11½ columns. I.

THE LEWIS-BARTLETT PROCESS AS APPLIED AT THE LONE ELM WORKS AT JOPLIN, MISSOURI. By F. L. Clerc. E. & M. J., vol. 40, p. 4. 5 columns. I.

Metallurgy of Zinc

THE SMELTING OF ZINC ORES TO REGAIN SPELTER AND SULPHURIC ACID. By A. J. Diescher. P. E. Soc. W. Pa., vol. 20, p. 78. 33 pages. I.

THE LUNGWITZ PROCESS OF ZINC SMELTING. By F. W. Gordon. E. & M. J., vol. 81, p. 795. 6½ columns.

SMELTING ZINC RETORT RESIDUES. By E. M. Johnson. E. & M. J., vol. 81, p. 318. 3 columns.

THE ZINC-SMELTING INDUSTRY OF THE MIDDLE WEST. By H. C. Meister. T. A. I. M. E., vol. 35, p. 734. 11 pages.

THE METALLURGY OF ZINC. By H. Van F. Furman. M. & M., vol. 21, p. 34, 5¼ columns, I.; p. 58, 5 columns, I.

THE TREATMENT OF ZINC-LEAD Sulphides. By F. Hille. E. & M. J., vol. 60, p. 195. 2 columns. I.

Tavener's Method of Treating Zinc Slimes. By T. L. Carter. E. & M. J., vol. 75, p. 150. 2⅙ columns.

Experiments in Zinc Desilverization. By H. Roesstar and B. Edelmann. E. & M. J., vol. 51, p. 404, 3 columns; p. 582, 2½ columns.

Notes on Zinc Smelting. E. & M. J., vol. 78, p. 395. 1 column.

The Metallurgy of Zinc. By J. Ohly. Min. & Sci. Press, vol. 81, p. 373. 2⅔ columns.

Zinc Oxide and Zinc-Lead Pigment Manufacture. By Wm. F. Gordon. E. & M. J., vol. 83, p. 1033. 5½ columns. I.

The Design of a Zinc Smeltery. Rept. Zinc Comm. Canada, p. 57. 6 pages.

The Zinc Smelting Works of Swansea, Wales. By E. Walker. E. & M. J., vol. 84, p. 161. 4¾ columns. I.

The Bertha Smelting-Plant (Zinc). T. A. I. M. E., vol. 37, p. 312. 8 pages.

Metallurgy of Quicksilver

Quicksilver Reduction at New Almaden. By S. B. Christy. T. A. I. M. E., vol. 13, p. 547.

Treatment of Quicksilver Ores in the Asturias, Spain. E. & M. J., vol. 62, p. 149. 3⅓ columns. I.

Separation of Quicksilver from Copper. E. & M. J., vol. 66, p. 94. ⅓ column.

Notes on the Treatment of Mercury in North California. By T. Egleston. T. A. I. M. E., vol. 3, p. 273.

Quicksilver Condensation at New Almaden. By S. B. Christy. T. A. I. M. E., vol. 14, p. 206.

Reduction of Quicksilver Ores. Min. & Sci. Press, vol. 30, p. 241. 3 columns.

Process and Quicksilver Furnaces used at Idria. Min. & Sci. Press, vol. 31, p. 81. 3 columns.

Working Quicksilver Ores. Min. & Sci. Press, vol. 32, p. 66. 2 columns; p. 170, ⅔ columns.

Mining and Metallurgy of Quicksilver in Mexico. By J. Mactear. T. I. M. & M., vol. 4, p. 69.

New Method of Quicksilver Extraction. By J. H. Jory. Min. & Sci. Press, vol. 83, p. 284. 1⅔ columns.

Metallurgy of Mercury at Almaden. Min. & Sci. Press, vol. 37, p. 358, ½ column; p. 377, 3 columns; vol. 38, p. 6, 1½ columns.

Metallurgy of Mercury in California. Min. & Sci. Press, vol. 38, p. 8, 1 column; p. 22, 2⅔ columns.

About Quicksilver Extraction. Min. & Sci. Press, vol. 27, p. 120, 1½ columns; p. 154, 1½ columns; p. 210, 1⅔ columns; p. 242, 1½ columns; p. 262, 1¼ columns.

Reduction of Quicksilver Ores. By F. J. Booth. Min. & Sci. Press, vol. 93, p. 570. 4⅓ columns. I.

Quicksilver Furnace for Fine Ore. Min. & Sci. Press, vol. 32, p. 136. ⅔ column.

The Mercury Works at Volutta. E. & M. J., vol. 14, p. 163. 2½ columns.

Metallurgy of Nickel

Lime Roasting of Nickeliferous Matte. By A. C. De Jotigh. E. & M. J., vol. 81, p. 793. 1¾ columns.

The Mond Process for the Extraction of Nickel. By Roberts-Austin. E. & M. J., vol. 66, p. 784. 1⅓ columns.

Treatment of Auriferous Mispickel Ores. By P. Kirkegaard. J. C. M. I., vol. 4, p. 113, 10 pages; p. 143, 9 pages.

Metallurgy of Nickel. E. & M. J., vol. 25, pp. 218, 237, 256, 274, 326, 346, 360, 376, 444.

Solubility of Cobalt-Nickel Ores in Ammonia. By G. S. Hanes. J. C. M. I., vol. 8, p. 358. 4½ pages.

Metallurgy of Tin

Metallurgy of Tin. Am. Jour. Min., vol. 4, p. 354, 1⅓ columns; p. 386, 1 column.

Recovery of Tin from Tin Plate Scrap. E. & M. J., vol. 74, p. 372. ½ column.

Tin from Tin Scrap. E. & M. J., vol. 51, p. 380. ½ column.

Cyaniding of Ores: Processes and Practice

The Discovery of the Cyanide Process. P. C. M. & M. Soc. S. A., vol. 5, p. 347. 5½ columns.

A Historical Summary of Steps in Cyanidation. By P. Argall. M. & M., vol. 28, p. 368. 1½ columns.

Bibliography on Testing Ores and Tailing Preliminary to Cyaniding. Min. & Sci. Press, vol. 91, p. 330. ¾ column.

Bibliography of the Cyanide Process. Min. & Sci. Press, vol. 73, p. 441. 2½ columns.

Literature of Cyanide Process. Rept. Census Office, Mines & Quarries, 1902, p. 603. 1 column.

World's Production of Gold by the Cyanide Process. E. & M. J., vol. 76, p. 193. Note.

Digest of United States Patents Relating to Cyanide Processes for the Recovery of Precious Metals. Rept. Census Office, Mines & Quarries, 1902, p. 605. 80 columns.

The Amounts and Strengths of Cyanide Solutions for Ores. E. & M. J., vol. 79, p. 706. Table.

The Rate of Solution of Gold in Cyanide Solutions. By A. W. Warwick. E. & M. J., vol. 59, p. 604. 3 columns. I.

Notes on the Action of Potassium Zinc Cyanide Solutions on Gold. By W. J. Sharwood. E. & M. J., vol. 64, p. 396, 1⅔ columns; p. 426, 1⅞ columns; p. 460, 3 columns.

A Test for Precious Metals in Cyanide Solutions. By A. Arents. T. A. I. M. E., vol. 34, p. 184.

Analytical Work in Connection with the Cyanide Process. By J. E. Clennell. T. I. M. & M., vol. 12, p. 367. 25 pages.

On the So-Called "Selective Action" of very Dilute Solutions of Potassium Cyanide Used in Obtaining Gold and Silver from Ores and Other Compounds. By J. Mactear. T. I. M. & M., vol. 4, p. 37.

Notes on the Action of Cyanogen on Gold. By J. Park. T. I. M. & M., vol. 6, p. 120.

Laboratory-Tests in Connection with the Extraction of Gold from Ores by the Cyanide Process. By H. Van F. Furman. T. A. I. M. E., vol. 26, p. 721.

Absorption of Gold by Wooden Leaching Tanks. By F. L. Bosqui. E. & M. J., vol. 65, p. 248. 1¼ columns.

Note on the So-Called "Selective Action" of Cyanide of Potassium for Gold. By W. A. Dixon. T. I. M. & M., vol. 6, p. 88.

Notes on Cyanide Solutions. By T. L. Carter. E. & M. J., vol. 73, p. 237. 1½ columns.

The Lixiviation of Gold Deposits by Vegetation. By E. E. Lungwitz. E. & M. J., vol. 69, p. 500. 3½ columns. I.

Notes on the Behavior of Some Gold Solvents. By F. H. Mason. T. F. C. M. I., vol. 1, p. 160. 6 pages.

The Regeneration of Working Cyanide Solutions. By A. F. Crosse. E. & M. J., vol. 75, p. 817. 2 columns.

The Regeneration of Cyanide Solutions. E. & M. J., vol. 76, p. 420, 1 column; p. 652, 2½ columns.

Oxygen Refining of Cyanide Bullion. By T. K. Rose. E. & M. J., vol. 80, p. 105. 6 columns.

Cyanide of Potassium as a Lixiviating Agent for Silver Ores and Minerals. By L. Janin. E. & M. J., vol. 46, p. 548. 3 columns.

Loss of Gold in Cyaniding by Volatilization. Min. & Sci. Press, vol. 77, p. 424. 3½ columns.

Aids to the Cyanider. By M. W. Alderson. Min. & Sci. Press, vol. 77, p. 377. 2½ columns.

Effect of Warming Cyanide Solutions. Min. & Sci. Press, vol. 84, p. 45. Note.

The Estimation of Copper in Ores by the Modified Cyanide Process. Min. & Sci. Press, vol. 81, p. 312. 2 columns +.

The Use of Mercuric Chloride in Testing Cyanide Solutions. By L. M. Green. Min. & Sci. Press, vol. 90, p. 52. 1½ columns.

The Solvent Powers of Cyanogen. By W. Skey. Min. & Sci. Press, vol. 76, p. 56. 1 column.

Testing Ores for Cyanide Treatment. By R. S. Browne. Min. & Sci. Press, vol. 88, p. 6, 2 columns; p. 22, 2¾ columns; p. 43, 2 columns.

Action of Oxygen in Cyanide Solutions. Min. & Sci. Press, vol. 93, p. 512. 1 column.

Copper in Cyanide Solutions. By C. A. Arents. Min. & Sci. Press, vol. 93, p. 410. 1 column.

Alkaline Zinc Titration. By E. R. Van Osdel. E. & M. J., vol. 82, p. 1110. 1 column.

The Relative Efficiency of Strong and Weak Cyanide Solutions for Dissolving Gold. By W. A. Caldecott. J. C. & M. Soc. S. A., vol. 1, p. 293, 3 pages; p. 324, 8 pages; p. 333, 14 pages.

Notes on the Estimation of Sulphides and Cyanates in Commercial Cyanide. J. C. & M. Soc. S. A., vol. 1, p. 267, 3½ pages; p. 272, 4 pages.

Estimation of Oxygen in Working Cyanide Solutions. J. C. & M. Soc. S. A., vol. 1, p. 276. 4½ pages.

Determination of Gold in Cyanide Solutions. J. C. & M. Soc. S. A., vol. 1, p. 27. 1 page.

Notes on the Analysis of Cyanide Solutions. By J. E. Clennel. J. C. & M. Soc. S. A., vol. 1, p. 203, 7 pages; p. 218, 2 pages.

Notes on the Behavior of the Haloid Elements in Conjunction with the Cyanide Process. By H. Livingston. J. C. & M. Soc. S. A., vol. 1, p. 109. 14 pages.

Notes on the Action of Alkaline Sulphides in Cyanide Solutions. By Dr. Loevy. J. C. & M. Soc. S. A., vol. 1, p. 86. 5½ pages.

Experimental Working of Silver-Ores by the Leaching Process. By J. H. Clemes. T. A. I. M. E., vol. 12, p. 279.

Notes on Cyanide Work. J. C. & M. Soc. S. A., vol. 1, p. 22. 4½ pages.

The Solubility of Gold in Thiosulphates and Thiocyanates. By H. A. White. P. C. M. & M. Soc. S. A., vol. 6, p. 109. 4½ columns.

The Use of Bisulphate of Sodium in the Clean-up. By J. E. Thomas and G. W. Williams. P. C. M. & M. Soc. S. A., vol. 5, p. 334, 7 columns; vol. 6, p. 156, 4 columns.

Rate of Solution of Gold in Potassium Cyanide. By T. H. Plunkett. J. C. M. I., vol. 7, p. 192. 6 pages.

A New and Rapid Method of Detecting and Estimating Gold in Working Cyanide Solutions. By J. Moir. J. C. & M. Soc. S. A., vol. 4, p. 298. 10 pages.

Effect of Temperature on Extraction by Cyaniding. J. C. & M. Soc. S. A., vol. 4, p. 145. 1 page.

Notes on the Estimation of Protective Alkali in Cyanide Solutions. By A. F. Crosse. J. C. & M. Soc. S. A., vol. 2, p. 673, 2½ pages; p. 738, 2 pages, I.

Notes on the Application of Oxygen in the Cyanide Process. By H. T. Durant. J. C. & M. Soc. S. A., vol. 2, p. 328. 5½ pages.

Estimation of Oxygen in Working Cyanide Solutions. By A. F. Crosse. J. C. & M. Soc. S. A., vol. 2, p. 397, 10 pages; p. 419, 4½ pages; p. 476, 1 page, I.

An Industrial Method for the Determination of the Oxygen in Working Cyanide Solutions. By A. Prister. J. C. & M. Soc. S. A., vol. 4, p. 564. 11 pages. I.

Thiocarbamide: A New Solvent for Gold. By J. Moir. P. C. M. & M. Soc. S. A., vol. 6, p. 332. 9 columns.

Lixiviation and Amalgamation Tests. By F. W. Clark. T. A. I. M. E., vol. 14, p. 395.

Lixiviation vs. Amalgamation. T. F. I. M. E., vol. 5, p. 336.

On the Technical Analysis of Cyanide Working Solutions. By W. Bettel. J. C. & M. Soc. S. A., vol. 1, p. 163. 12 pages.

A Colorimetric Method for the Determination of Gold in Cyanide Solutions. By A. Prister. J. C. & M. Soc. S. A., vol. 4, p. 385. 4½ pages.

The Determination of Constants in Working Cyanide Solutions. By G. W. Williams. J. C. & M. Soc. S. A., vol. 4, p. 473. 50 pages.

Consumption of Zinc in Cyanide Plants. By W. H. Virgoe. J. C. & M. Soc. S. A., vol. 4, p. 615. 27 pages.

Consumption of Zinc in Cyanide Plants. By W. H. Virgoe. E. & M. J., vol. 76, p. 809. 4½ columns.

Cyanide of Potassium from Blast Furnace Gases. E. & M. J., vol. 64, p. 664. ½ column.

The Manufacture and Impurities of Commercial Cyanide. By A. H. Allen. E. & M. J., vol. 76, p. 239, 2½ columns; p. 241, ½ column.

Lime and Caustic Soda in Cyaniding. E. & M. J., vol. 82, p. 771. ⅔ column.

A Negative Experience with Sodium Cyanide. By W. Magenan. E. & M. J., vol. 82, p. 363. 1½ columns.

Note on Commercial Cyanide. By H. T. Durant. E. & M. J., vol. 82, p. 315. 2 columns.

Notes on Commercial Cyanide of Potassium. By A. Whitby. J. C. & M. Soc. S. A., vol. 3, p. 210. 7 pages.

The Sulphuric Acid Process of Treating Lixiviation Sulphides. By F. P. Dewey. T. A. I. M. E., vol. 26, p. 242.

Professor Black's Permanganate Process. By H. Norman. Min. & Sci. Press, vol. 82, p. 167. 3½ columns.

Leaching of Copper Tailings. T. I. M. E., vol. 27, p. 481. 2 pages.

The Recovery of Copper from Mine Drainage. By Philip Argall. Min. & Sci. Press, vol. 92, p. 325. 3 columns.

Recovery of Copper from Mine-Drainage. By P. Argall. Min. & Sci. Press, vol. 93, p. 111. 5½ columns. I.

Precipitating Copper from Butte Mine-Water. By A. F. Bushnell. E. & M. J., vol. 83, p. 1229. 5 columns. I.

Wet Copper Processes of Copper Extraction. By L. C. Ball. Queensland Govt. Min. Jour. May and June, 1904.

Min. Mag., Sept., 1904, p. 227. 3½ columns.

Cyaniding and Chlorination in Colorado. Min. & Sci. Press, vol. 76, p. 538. 2 columns.

Cyaniding or Chlorination. By E. A. Schneider. E. & M. J., vol. 59, p. 461. ⅞ column.

CYANIDATION OF ORES. By W. A. Hendryx. M. & M., vol. 28, p. 530. 8 columns. I.

A ZINC PROCESS FOR PRECIPITATING GOLD FROM WEAK SOLUTIONS. By T. L. Carter. J. C. & M. Soc. S. A., vol. 2, p. 440, 9½ pages; p. 478, 8 pages; p. 516, 11½ pages; p. 531, 10 pages; p. 572, 2 pages; p. 580, 14 pages; p. 611, 21 pages.

THE "WHITE PRECIPITATE" OF THE PRECIPITATING BOXES IN THE CYANIDE WORKS. By A. Prister. P. C. M. & M. Soc. S. A., vol. 5, p. 62, 1 column; p. 75, 7 columns; p. 129, 10½ columns; p. 148, 3 columns; p. 171, 6 columns.

SOME IMPROVEMENTS IN CYANIDE WORKS CLEAN-UP APPLIANCES. By J. E. Thomas. J. C. & M. Soc. S. A., vol. 4, p. 315. 4½ pages. I.

CYANIDE TESTS ON TEMISKAMING ORES. By J. J. Robertson. J. C. M. I., vol. 9, p. 396. 6 pages.

NOTES ON LIME, CLEAN-UP. By G. W. Williams. P. C. M. & M. Soc. S. A., vol. 5, p. 251. 7 columns.

BY-PRODUCTS IN THE GOLD INDUSTRY. By C. Butters. J. C. & M. Soc. S. A., vol. 2, p. 127. 10½ pages.

GOLD EXTRACTION IN CYANIDE WORKS. By W. A. Caldecott. J. C. & M. Soc. S. A., vol. 1, p. 221. 3 pages.

CYANIDE CLEAN-UP. By J. E. Thomas. Min. & Sci. Press, vol. 94, p. 62. 2 columns.

CYANIDE NOTES. By E. A. H. Tays. Min. & Sci. Press, vol. 93, p. 265. 3 columns.

QUICKSILVER RECOVERED IN THE CYANIDE PROCESS. By E. J. Sweetland. Min. & Sci. Press, vol. 88, p. 346. 1 column +.

SOME NOTES ON THE RECOVERY OF GOLD FROM CYANIDE SOLUTIONS. Min. & Sci. Press, vol. 77, p. 528. 2⅛ columns.

ORE TREATMENT: Cyanide and Chloride. Min. & Sci. Press, vol. 72, p. 25. 2¼ columns.

CYANIDE OR OTHER CHEMICAL PROPORTIONS FOR LABORATORY AND MILL WORKINGS. Min. & Sci. Press, vol. 71, p. 105. ¾ column. Table.

NOTES ON CUPRIFEROUS CYANIDE SOLUTIONS. By H. A. Barker. T. I. M. & M., vol. 12, p. 399. 5 pages.

NOTE ON THE TREATMENT OF ZINC-BOX PRECIPITATE ("Slimes") FROM THE CYANIDE PROCESS. By R. G. Brown. T. I. M. & M., vol. 4, p. 250.

SOME NOTES ON THE RECOVERY OF GOLD FROM CYANIDE SOLUTIONS. By S. Cowper-Coles. T. I. M. & M., vol. 6, p. 219.

NOTES ON SUMP SOLUTIONS, EXTRACTOR-BOX WORK, AND CLEANING-UP, IN THE CYANIDE PROCESS. By A. James. T. I. M. & M., vol. 6, p. 2.

THE CYANIDATION OF RAW PYRITIC CONCENTRATES. By F. C. Smith. T. A. I. M. E., vol. 37, p. 570. 5½ pages.

CYANIDATION OF CONCENTRATES. By F. J. Hobson. Min. & Sci. Press, vol. 92, p. 72. 1 column.

TREATMENT OF PYRITOUS CONCENTRATES BY CYANIDE. By A. F. Crosse. E. & M. J., vol. 59, p. 559. 1 column.

THE CYANIDING OF CONCENTRATES. By B. Macdonald. E. & M. J., vol. 80, p. 1160; p. 1200, 5½ columns.

CYANIDATION OF ARGENTIFEROUS CONCENTRATE. By H. G. Elwes. E. & M. J., vol. 80, p. 109. 4 columns.

THE CYANIDE PROCESS AS APPLIED TO THE CONCENTRATES FROM A NOVA SCOTIA GOLD-ORE. By R. W. Lodge. T. A. I. M. E., vol. 25, p. 90.

CYANIDING CONCENTRATES BY PERCOLATION AT CHOUKPAZAT GOLD MINES. By C. M. P. Wright. T. I. M. & M., vol. 12, p. 156. 4 pages.

THE TREATMENT OF PYRITOUS CONCENTRATES BY CYANIDE. By A. F. Crosse. J. C. & M. Soc. S. A., vol. 1, p. 98. 5½ pages.

THE GODBE AGITATION METHOD OF LEACHING. Min. & Sci. Press, vol. 84, p. 49. ⅔ column.

MODERN LEACHING PROCESSES. By J. Ohly. Min. & Sci. Press, vol. 82, p. 168. 3⅓ columns.

PNEUMATIC PROCESSES FOR LEACHING AND CYANIDING. Min. & Sci. Press, vol. 82, p. 200. 3½ columns. I.

THE LEACHING PROCESS. Min. & Sci. Press, vol. 48, p. 254, 2 columns; p. 274, 1½ columns; p. 290, 2 columns; p. 242.

THE RUSSELL LEACHING PROCESS. Min. & Sci. Press, vol. 51, p. 274. 5 columns.

TROUGH LIXIVIATION. By O. Hofmann. E. & M. J., vol. 44, p. 185, 4¼ columns, I.; p. 393, 1¼ columns; p. 429, 1 column; p. 482, 1 column.

COPPER LEACHING. By C. H. Aaron. Min. & Sci. Press, vol. 43, p. 288, 2 columns.

AMMONIA CYANIDATION OF COPPER. By A. Jarman and E. LeGay Brereton. E. & M. J., vol. 79, p. 802. 4⅔ columns.

THE CYANIDE ASSAY FOR COPPER. By H. H. Miller. T. A. I. M. E., vol. 31, p. 653.

HUMID METHOD OF COPPER EXTRACTION. By T. S. Hunt and J. Douglass. E. & M. J., vol. 40, p. 237. 4½ columns.

WET METHODS OF EXTRACTING COPPER AT RIO TINTO, SPAIN. By C. H. Jones. T. A. I. M. E., vol. 35, p. 3. 9 pages. I.

LEACHING COPPER ORES BY SULPHUROUS ACID. By E. P. Jennings. E. & M. J., vol. 71, p. 400. 1 column.

LEACHING COPPER ORES BY SULPHUROUS ACID. By E. P. Jennings. J. C. M. I., vol. 4, p. 123. 2 pages.

DRY AND WET TREATMENT OF COPPER-ORES. By C. C. Longridge. T. I. M. E., vol. 20, p. 224. 34 pages.

NOTES ON CUPRIFEROUS CYANIDE SOLUTIONS. By H. A. Barker. T. I. M. & M., vol. 12, p. 399. 5¾ pages.

NOTES UPON PRELIMINARY TESTS AND CYANIDE-TREATMENT OF SILVER ORES IN MEXICO BY THE MACARTHUR-FORREST PROCESS. By J. F. Allan. T. A. I. M. E., vol. 35, p. 12. 19 pages.

NOTES ON THE TREATMENT OF ZINC-PRECIPITATE OBTAINED IN CYANIDING NEW ZEALAND ORE. By H. Wingate. T. A. I. M. E., vol. 33, p. 136.

RECENT CYANIDE PRACTICE. Min. Mag., July, 1904, p. 60.

THE CYANIDE PROCESS IN THE UNITED STATES. E. & M. J., vol. 62, p. 386. 1⅔ columns.

NOTES ON THE RECOVERY OF GOLD FROM CYANIDE SOLUTIONS. By S. Cowper-Coles. E. & M. J., vol. 66, p. 160. 1½ columns.

LIMITATION OF THE CYANIDE PROCESS. By P. Argall. E. & M. J., vol. 64, p. 278. ½ column.

NOTES ON SUMP SOLUTIONS, EXTRACTOR-BOX WORK AND CLEANING UP IN THE CYANIDE PROCESS. By A. James. E. & M. J., vol. 64, p. 307. 2 columns.

CYANIDING SULPHIDE GOLD ORES. By R. Recknogel. E. & M. J., vol. 64. p. 580. 3 columns.

PLANT FOR THE EXTRACTION OF GOLD BY THE CYANIDE PROCESS. By E. Smart. E. & M. J., vol. 60, p. 417. 6½ columns. I.

THE CYANIDE PROCESS. By W. H. Virgoe. E. & M. J., vol. 57, p. 533, 2⅔ columns.

A BROMO-CYANIDE PROCESS FOR GOLD EXTRACTION. By C. A. Mulolland. E. & M. J., vol. 59, p. 510. ½ column.

THE MACARTHUR-FORREST PROCESS. By J. McConnell. T. F. I. M. E., vol. 9, p. 410. 6 pages. I.

Cyaniding of Some Silver Ores by Percolation. By A. P. Griffiths and F. W. Oldfield. T. I. M. & M., vol. 12, p. 442. 9 pages.

Additional Notes on the Treatment of Zinc-box Precipitate ("Slimes") from the Cyanide Process. By T. H. Leggett. T. I. M. & M., vol. 5, p. 147.

Notes on the Cyanide Process. By H. H. Greenway. T. I. M. & M., vol. 8, p. 112.

Cyanide Practice. By A. James. T. I. M. & M., vol. 3, pp. 369, 407.

The Present Limitations of the Cyanide Process. By C. W. Merrill. T. A. I. M. E., vol. 25, p. 102.

Notes on the Siemens Direct Process. By A. L. Holley. T. A. I. M. E., vol. 8, p. 321.

Experiments with Bromo-Cyanogen on Southern Gold-Ores. By S. H. Brockuneir. T. A. I. M. E., vol. 31, p. 793.

Cyaniding Sulpho-Telluride Ores. By P. Argall. E. & M. J., vol. 76, p. 53, 3½ columns; p. 156, 4 columns.

Precious Metals Recovered by Cyanide Processes. By C. E. Munroe. Rept. Census Office, Mines and Quarries, 1902, p. 593. 20 columns.

Cyaniding Silver-Gold Ore. E. & M. J., vol. 80, p. 440. 7 columns.

Cyaniding Silver-Gold Ore, Palmarejo. By T. H. Axnam. E. & M. J., vol. 80, p. 387, 7 columns, I.; p. 297, 9 columns, I.; p. 339, 8 columns, I.

Cyaniding of Silver Ores. E. & M. J., vol. 80, p. 344. 1 column.

Russell's Improved Process for the Lixiviation of Silver Ores. By C. A. Stetefeldt. E. & M. J., vol. 37, p. 328, 3 columns; p. 350, 2½ columns; p. 365, 4½ columns; p. 387, 4 columns; pp. 409, 426, 442, 460, 479, 4 columns.

The Treatment of Cupriferous Gold Ores by Cyanide of Potassium. By L. Janin. E. & M. J., vol. 74, p. 816. 3 columns.

Cyanide Assay for Copper. E. & M. J., vol. 76, p. 581. 2 columns.

Cyaniding Cupriferous Ores. By L. Janin. E. & M. J., vol. 72, p. 197. 1½ columns.

The Lixiviation Process for Silver Ores. Min. & Sci. Press, vol. 33, p. 94, 2 columns; p. 282, 2¼ columns.

The Cyanide Process. By M. B. Parker. M. & M., vol. 26, p. 387. 3½ columns.

Improvements in the Cyanide Process. Min. & Sci. Press, vol. 69, p. 245. 1½ columns.

The Cyanide Process on the Rand. Min. & Sci. Press, vol. 69, p. 278. 1 column +.

Electrical Precipitation from Cyanide Solution. Min. & Sci. Press, vol. 69, p. 295. 3 columns.

The MacArthur-Forrest Cyanide Process. Min. & Sci. Press, vol. 65, p. 3. 6 columns. I.

The Cyanide Process. Min. & Sci. Press, vol. 65, p. 125, 1 column; p. 157, 2 columns; p. 204, 2¼ columns; p. 237, 1¼ columns.

The MacArthur-Forrest Process. Min. & Sci. Press, vol. 66, p. 36. 3⅙ columns.

Losses of Gold by the Cyanide Process. Min. & Sci. Press, vol. 67, p. 356. ⅔ column.

The MacArthur-Forrest Process. Min. & Sci. Press, vol. 63, p. 19. 3½ columns.

The Cyanide Process: MacArthur-Forrest. Min. & Sci. Press, vol. 64, p. 222, 5⅓ columns; p. 260, 2 columns; p. 296, 4 columns; p. 316, 1⅓ columns; p. 404, 1¼ columns.

MacArthur's Filter with Zinc Sponge. Min. & Sci. Press, vol. 65, p. 1. 2 columns. I.

Lixiviation of Silver Ores: Russell Process. Min. & Sci. Press, vol. 55, p. 67, 1½ columns; p. 83, ½ column; p. 101, 2½ columns, I.; p. 114, 1¾ columns; p. 130, 3 columns; p. 147, 2⅓ columns; p. 179, 2 columns +; p. 194, 3 columns.

Roasting and Leaching of Silver Ores. By C. A. Schenk. Min. & Sci. Press, vol. 54, p. 5, ¾ column; p. 18, 2¾ columns; p. 37, ¾ column; p. 50, 5 columns, I.; p. 71, ⅔ column; p. 362, 1½ columns.

The Leaching of Copper Ores. By J. Ohly. Min. & Sci. Press, vol. 82, p. 51, 1½ columns; p. 61, ¾ column.

The Dorcas Pneumatic Cyanide Mill. By E. F. Gropello. Min. & Sci. Press, vol. 82, p. 221. 2 columns. I.

Cyaniding Rock in Place. Min. & Sci. Press, vol. 82, p. 72. 1⅔ columns.

Some Modifications of the Cyanide Process. Min. & Sci. Press, vol. 78, p. 89. 1¾ columns.

Cyaniding Sulphide Gold Ores. Min. & Sci. Press, vol. 84, p. 309. 1½ columns.

Cyaniding at Gilt Edge, Montana. Min. & Sci. Press, vol. 79, p. 408. 2¾ columns. I.

Leaching Low-Grade Copper Ores. Min. & Sci. Press, vol. 87, p. 169. 3⅔ columns.

Cyaniding Silver Ores. By R. S. Browne. Min. & Sci. Press, vol. 85, p. 338. 2 columns +.

The Cyanide Process. By J. Yates. J. C. & M. Soc. S. A., vol. 1, p. 254. 14 pages.

Note on the Ammonia-Copper-Cyanide Process. By H. Livingstone Sulman. T. I. M. & M., vol. 14, p. 363. 14 pages.

Notes on the Limitations of the Cyanide Process. By H. T. Durant. J. C. & M. Soc. S. A., vol. 4, p. 380. 5 pages.

The Ammonia-Copper-Cyanide Process. By E. Le Gay Brereton. T. I. M. & M., vol. 15, p. 433. 13 pages.

The Cyanide Treatment of Cupriferous Tailings by the Sulphuric Acid Process. By W. S. Brown. T. I. M. & M., vol. 15, p. 445. 8 pages.

Apparatus for Raising Stock-Solutions to the Storage-Tanks in a Lixiviation Plant. T. A. I. M. E., vol. 20, p. 8.

The Construction of Details for a Modern Lixiviation-Plant. By C. A. Stetefeldt. T. A. I. M. E., vol. 20, p. 3.

The Godbe Agitation Method of Leaching. E. & M. J., vol. 73, p. 321. 1⅓ columns. I.

A Simple Solution (Cyanide) Meter. By E. H. Nutter. Min. & Sci. Press, vol. 93, p. 657. 1 column. I.

Some Future Improvements in Appliances for the Cyanide Clean-up. By D. V. Burnett. P. C. M. & M. Soc. S. A., vol. 5, p. 145. 3 columns. I.

The Use of Vats in Place of Zinc Boxes. By W. A. Caldecott. J. C. & M. Soc. S. A., vol. 2, p. 762. 3½ pages. I.

Collecting Vats. J. C. & M. Soc. S. A., vol. 1, p. 15. 3 pages. I.

Blaisdell Apparatus at El Oro Cyanide Plant. E. & M. J., vol. 83, p. 230. 1½ columns. I.

The Use of Vats in Place of Zinc-Boxes in the Cyanide Process. By W. A. Caldecott. E. & M. J., vol. 68, pp. 611, 613. 2 columns. I

Russell's Improved Process for the Lixiviation of Silver-Ores in Its Practical Application. By C. A. Stetefeldt. T. A. I. M. E., vol. 15, p. 355.

Zinc Boxes at Deadwood, South Dakota. T. A. I. M. E., vol. 26, p. 717.

The Cyanide Process in the United States. By G. A. Packard. T. A. I. M. E., vol. 26, p. 709.

Cyanidation in the United States. E. & M. J., Mar. 2, 1905, p. 429.

Cyanidation During 1905. By C. H. Fulton. E. & M. J., vol. 81, p.76. 8⅓ columns.

Progress in Cyanidation During 1906. By A. James. Min. & Sci. Press, vol. 94, p. 18. 8¾ columns. I.

Cyanide as a Factor in Gold Production. By G. T. Beilby. Min. & Sci. Press, vol. 29, p. 9. 1½ columns.

Notes on the Alleged Shortage in Cyanide Bullion. By C. W. Merrill. T. I. M. & M., vol. 7, p. 223. 7 pages. I.

Some Suggestions on the Cyaniding of Tailings. By A. Prister. P. C. M. & M. Soc. S. A., vol. 5, p. 338. 6 columns.

A Proposed Method of Treating Sand Residue Dumps. By S. J. Truscott and A. Yates. P. C. M. & M. Soc. S. A., vol. 6, p. 213. 3½ columns.

A System of Handling Sand Mechanically for Cyanide Vats. By C. Butters. T. I. M. & M., vol. 13, p. 61. 27 pages. I.

Cyaniding Sands at El Oro, Mexico. T. A. I. M. E., vol. 37, p. 37. 19 pages.

Cyanide Treatment of Sands on the Rand. J. C. & M. Soc. S. A., vol. 4, p. 155. 2 pages. I.

Treatment of Silver-Lead Tailings by the Cyanide Process. By E. J. Sweetland. E. & M. J., vol. 82, p. 342. 5½ columns.

Treatment of Tailings: Cyaniding. Min. & Sci. Press, vol. 82, p. 115. 1¾ columns.

Treatment of Highly Acidic Tailings by Cyanide. By F. B. Stevens. Min. & Sci. Press, vol. 84, p. 321. 1½ columns.

Cyaniding Base Ores. By M. W. Alderson. Min. & Sci. Press, vol. 78, p. 125. 1¾ columns.

Cyaniding Slimy Ores and Tailings. Min. & Sci. Press, vol. 78, p. 584, 1½ columns; p. 612, 2 columns; p. 636, 1¾ columns; p. 665, 3⅓ columns; vol. 79, p. 4, 2 columns, I.

Cyaniding Stamp Mill Tailings in Western America: A Description of the Dexter Gold Mining Company's Plant at Tuscarora, Nevada. By Wm. Magenau. M. & M., vol. 21, p. 299. 4¼ columns. I.

Successful Treatment of Tailings by the Direct-Filling Process. By F. C. Pengilly. Min. & Sci. Press, vol. 76, p. 590. 1¾ columns.

The Treatment of Tailings by the Cyanide Process at the Athabasca Mine, Near Nelson, British Columbia. By E. N. Fell. T. A. I. M. E., vol. 31, p. 752.

Notes on the Treatment of Tailings by the Cyanide Process at the Standard Consolidated Mine, Bodie, California. By T. H. Leggett. T. I. M. & M., vol. 4, p. 151.

Separation of Sand from Slimes in the Cyanide Process: System Used in the Homestake and Hidden Fortune Mills. By Chas. H. Fulton. M. & M., Dec., 1904, p. 252.

The Treatment of Tailings in the Witwatersrand. By E. P. Chester. E. & M. J., vol. 66, p. 5. 2 columns. I.

Fractional Precipitation of Gold from a Solution Carrying Gold and Copper, with Hydrogen Sulphide Gas. By J. E. Rothwell. E. & M. J., vol. 60, p. 323. ⅞ column.

The Electro-Motive-Force in Cyanide Solutions. By S. B. Christy. T. A. I. M. E., vol. 30, p. 864.

Gold Extraction, Electro-Cyanide Method. By J. B. Hannay. T. I. M. & M., vols. 1 and 2, p. 369.

Electrolysis of Fine Silver. Min. & Sci. Press, vol. 85, p. 3.

Precipitation of Gold. Min. & Sci. Press, vol. 47, p. 289. 1 column.

Zinc-Dust Precipitation. Min. & Sci. Press, vol. 93, p. 411. 1 column. I.

On Cyanide Precipitation from Auro-Cyanide Solutions. By J. I. Lowles. T. I .M. & M., vol. 7, p. 190. 7 pages.

Precipitation of Coppery Cyanide Solutions. By R. S. Browne. Min. & Sci. Press, vol. 86, p. 57. 2 columns.

Charcoal Precipitation from Cyanide Solutions. Min. & Sci. Press, vol. 81, p. 248. 2¾ columns.

Successful Precipitation from Solutions Weak in Cyanide. By M. W. Alderson. Min. & Sci. Press, vol. 80, p. 316. 3½ columns. I.

Charcoal as a Precipitant of Gold from Auro-Cyanides. By J. I. Lowles. Min. & Sci. Press, vol. 79, p. 122. 1 column +.

Precipitation from Cyanide Solutions. E. & M. J., vol. 76, p. 844. 2 columns.

The Solution and Precipitation of the Cyanide of Gold. By S. B. Christy. T. A. I. M. E., vol. 26, p. 735.

The Precipitation of Gold by Zinc-Thread from Dilute and Foul Cyanide-Solutions. By A. James. T. A. I. M. E., vol. 27, p. 278.

Precipitation of Gold from Cyanide Solutions. By W. J. Sharwood. E. & M. J., vol. 79, p. 752. 5¾ columns.

Precipitation by Zinc Dust at the Homestake Mill. By E. L. Herrick. M. & M., vol. 28, p. 432. 1 column. I.

The Precipitation of Gold from Cyanide Solutions. By W. A. Caldecott and E. H. Johnson. J. C. & M. Soc. S. A., vol. 4, p. 263. 17 pages.

The Regeneration of Working Cyanide Solutions, where Zinc Precipitation is Used. By A. F. Crosse. J. C. & M. Soc. S. A., vol. 3, p. 271. 28 pages.

Note on Gold Precipitation by Zinc Dust. By G. A. Packard. J. C. & M. Soc. S. A., vol. 2, p. 720. 2 pages.

Notes on the Precipitation of Gold from Cyanide Solutions. By A. H. Hartley. J. C. & M. Soc. S. A., vol. 2, p. 683. 3 pages.

Electrolytic Precipitation of Cyanide Solutions. By C. P. Richmond. E. & M. J., vol. 83, p. 512. 7 columns. I.

Electrolysis of Gold from Cyanide Solutions. By D. Lay. E. & M. J., vol. 83, p. 801. 7½ columns. I.

Zinc vs. Electrolytic Precipitation. J. C. & M. Soc. S. A., vol. 1, p. 281, 12 pages; p. 296, 27 pages.

A Development in Electrolytic Precipitation of Gold and Silver from Cyanide Solutions. By E. M. Hamilton. J. C. & M. Soc. S. A., vol. 4, p. 342. 17 pages.

See Electrometallurgy for further information on Precipitation.

Notes on Dry and Wet Crushing with Cyanide Treatment in New Zealand. By John McConnell. T. I. M. & M., vol. 7, p. 26. 9 pages.

Notes on Dry Crushing and Cyaniding of Rand Ore. By F. White. T. I. M. & M., vol. 7, p. 124. 20 pages.

Stamp Milling of Gold Ores in Its Relation to Cyaniding. Min. & Sci. Press, vol. 76, p. 318. 1⅓ columns.

A Direct Wet Crushing Cyanide Mill of the Black Hills. By E. B. Sawyer. Min. & Sci. Press, vol. 83, p. 202. 3½ columns. I.

Wet Crushing and Cyaniding the Silicious Ores of the Black Hills, South Dakota. By J. H. Henton. Min. & Sci. Press, vol. 80, p. 261. 1⅓ columns.

THE CYANIDE AND BATTERY METHODS FOR THE DETERMINATION OF COPPER CONTRASTED. E. & M. J., vol. 39, pp. 317, 386, 441.

THE HENDRIX CYANIDE PROCESS. By C. M. Fassett. E & M. J., vol. 77, p. 723. 3½ columns. I.

CYANIDE IN THE STAMP-MILL. E. & M. J., vol. 77, p. 765. 1 column.

CARE OF CYANIDE SOLUTIONS. E. & M. J., vol. 78, p. 103. 3¾ columns.

A WET CRUSHING CYANIDE PLANT AT ELY, NEVADA. E. & M. J., vol. 72, p. 753. 7 columns. I.

THE DIRECT CYANIDING OF WET-CRUSHED ORES IN NEW ZEALAND. By H. Wingate. T. A. I. M. E., vol. 33, p. 125.

CRUSHING AND CYANIDATION. By F. C. Roberts. E. & M. J., Mar. 2, 1905, p. 418. 5½ columns.

THE STAMP MILLING OF GOLD ORES IN ITS RELATION TO CYANIDING. By E. H. Johnson. J. C. & M. Soc. S. A., vol. 2, p. 176, 4 pages; p. 223, 11 pages; p. 291, 15½ pages.

THE GOLDEN BAR DRY-CRUSHING AND CYANIDE PLANT, COOLGARDIE. E. & M. J., vol. 59, p. 486. 1 column.

THE CYANIDING OF SOME SILVER ORES BY PERCOLATION. By A. P. Griffiths and F. W. Oldfield. T. I. M. & M., vol. 12, p. 442. 10 pages.

CYANIDING GOLD ORE AT SARAWAK, BORNEO. T. I. M. & M., vol. 15, p. 156. 16 pages.

CYANIDING ON THE RAND. J. C. & M. Soc. S. A., vol. 4, p. 139. 10 pages.

CYANIDING CONCENTRATES BY PERCOLATION AT THE CHOUKPAZAT GOLD MINES. By C. M. P. Wright. T. I. M. & M., vol. 12, p. 156. 4 pages.

CYANIDING CRIPPLE CREEK ORES. By F. L. Barker. M. & M., vol. 28, p. 481. 6 columns. I.

LEACHING GOLD AND SILVER-ORES IN THE WEST. By T. Egleston. T. A. I. M. E., vol. 12, p. 40.

THE METALLURGY OF THE SAN JUAN COUNTY, COLORADO, ORES. E. & M. J., vol. 41, p. 268, 1¼ columns; vol. 39, p. 69, 3 columns; p. 121, 1 column.

CYANIDING CRIPPLE CREEK ORES. By F. L. Barker. M. & M., vol. 28, p. 422. 4½ columns.

CYANIDE PLANT FOR TREATING GUANAJUATO ORES. By C. W. Van Law. E. & M. J., vol. 83, p. 649. 7 columns. I.

CYANIDE PRACTICE AT THE RELIANCE MILLS, NELSON, BRITISH COLUMBIA. By D. Lay. E. & M. J., vol. 83, p. 758. 6 columns. I.

THE BUTTERS CYANIDE PLANT, VIRGINIA CITY, NEVADA. By C. T. Rice. E. & M. J., vol. 83, p. 269. 14½ columns. I.

THE BULLFROG CYANIDE MILL, NEVADA. By E. R. Ayers. E. & M. J., vol. 83, p. 376. 7 columns. I.

CYANIDATION AT COPALA, MEXICO. Min. & Sci. Press, vol. 94, p. 335. 2 columns. I.

THE STAMP MILL AND CYANIDE PLANT OF THE COMBINATION MINES COMPANY AT GOLDFIELD, NEVADA. By M. R. Lamb. E. & M. J., vol. 81, p. 1236. 6 columns. I.

CYANIDE PRACTICE AT THE LIBERTY BELL MILL, TELLURIDE, COLORADO. By W. E. Tracy. E. & M. J., vol. 82, p. 149. 3½ columns. I.

CYANIDE PRACTICE AT EL ORO. Min. & Sci. Press, vol. 93, p. 381, 8 columns, I.; p. 416, 6 columns, I.

DESCRIPTION OF A CHEAP CYANIDE PLANT ERECTED IN WESTERN AUSTRALIA. By E. M. Weston. P. C. M. & M. Soc. S. A., vol. 5, p. 23. 2½ columns.

THE MERCUR MINING COMPANY'S CYANIDE MILL. By L. Janin, Jr. E. & M. J., vol. 56, p. 370. 2 columns. I.

A New Cyanide Plant. By M. R. Lamb. Min. & Sci. Press, vol. 93, p. 780. 2 columns. I.

The Cyanide Process at Guanajuato. By F. J. Hobson. Min. & Sci. Press, vol. 92, p. 7. 1¾ columns.

Notes on the Milling of Gold in Republic, Washington. By F. Cirkel. J. C. M. I., vol. 5, p. 274. 12 pages.

The Cyanide Process at the Mercur Mine. Min. & Sci. Press, vol. 72, p. 418. 2½ columns. I.

Some Observations on Practice of the Cyanide Process at Mercur, Utah. By W. Magenau. Min. & Sci. Press, vol. 80, p. 433, 2¾ columns; p. 464, 2⅓ columns; p. 492, 3 columns.

A Cyanide Mill of the Black Hills, South Dakota. By E. B. Sawyer. Min. & Sci. Press, vol. 83, p. 246. 1⅓ columns.

The Portland Cyanide Mill. Min. & Sci. Press, vol. 84, p. 257. 3½ columns. I.

Crushing in Cyanide Solution as Carried on in the Black Hills, South Dakota. By C. H. Fulton. Min. & Sci. Press, vol. 89, p. 207, 2½ columns; p. 224, 1 column, I.; p. 243, 1⅔ columns, I.; p. 260, 3 columns, I.; p. 273, 2⅔ columns, I.; p. 290, 2⅔ columns; p. 310, 1 column, I.

The Homestake Cyanide Plant. Min. & Sci. Press, vol. 89, p. 339. 3 columns+. I.

Cyaniding in the Black Hills. By J. T. Milliken. Min. & Sci. Press, vol. 89, p. 176. 2 columns.

Cyaniding in the Southern States. By E. Gayford. Min. & Sci. Press, vol. 88, p. 146. 2 columns.

Cyaniding Silver-Gold Ores of the Palmarejo Mine, Chihuahua, Mexico. By T. H. Oxnam. T. A. I. M. E., vol. 36, p. 234. 54 pages. I.

The Effect of Silver on the Chlorination and Bromination of Gold. T. A. I. M. E., vol. 36, p. 801. 2½ pages.

The Cyanide Process of the Rand. Gold Mines of the Rand, p. 213. 31½ pages.

The Cyanide Plant of the Wasp No. 2 Mining Company, Kirk, South Dakota. Min. & Sci. Press, vol. 84, p. 232. 4 columns. I.

The Golden Gate Cyanide Plant. Min. & Sci. Press, vol. 84, p. 271, 5 columns, I.; p. 284, 2½ columns, I.

Some Further Mill Practice in Cyaniding the Silicious Ores of the Black Hills, South Dakota. By J. M. Henton. Min. & Sci. Press, vol. 81, p. 284. 2 columns.

Cyanide Plant at the Contention Mill, Tombstone, Arizona. M. & M., vol. 27, p. 373. 2½ columns. I.

The Cyanide Process in South Africa. Min. & Sci. Press, vol. 65, p. 332. 1¾ columns.

The Leaching Silver Ores at Baranca, Mexico. Min. & Sci. Press, vol. 37, p. 33. 1 column.

The Cyanide Process in the Transvaal Mines. By W. R. Feldtmann. E. & M. J., vol. 58, p. 102, 3⅔ columns, I.; p. 126, 3⅔ columns, I.

Present Practice of Cyanidation in the Black Hills. By Wm. Magenau. E. & M. J., vol. 78, p. 221, 7½ columns; p. 259, 7¾ columns.

The Potter Process: Cyaniding. E. & M. J., vol. 78, p. 394, 3 columns. I.

Cyanidation in Costa Rica. E. & M. J., vol. 77, p. 635. 1⅔ columns.

The Application of the Cyanide Process at the Mercur Gold Mine, Fairfield, Utah. By C. W. Merrill. E. & M. J., vol. 54, p. 440. 3 columns. I.

Cyanidation at Cripple Creek. By G. E. Wolcott. E. & M. J., vol. 79, p. 1087. 3 columns.

Smelting vs. Milling and Cyaniding in Western Australia. Min. Mag., vol. 11, p. 448. 3 columns.

Cyanide Practice at the Ymir. E. & M. J., vol. 76, p. 843. 1½ columns.

The Cyanide Process in Montana. By M. W. Alderson. E. & M. J., vol. 75, p. 221, 2 columns. I.

The Liberty Bell Mine: A Description of Mine; The Ores; Difficulties in Successfully Treating them; Methods of Transportation. M. & M., Apr., 1901, p. 399. 2¾ columns.

Crushing in Cyanide Solution, as Practiced in the Black Hills, South Dakota. By C. H. Fulton. T. A. I. M. E., vol. 35, p. 587. 27 pages. I.

Cyanide Practice at the Maitland Properties, South Dakota. By J. Gross. T. A. I. M. E., vol. 35, p. 616. 20 pages. I.

On the Successful Treatment of Tailings by the Direct Filling Process on the Witwatersrand. By F. C. Pengilly. T. I. M. & M., vol. 6, p. 113.

The Practical Operation of the Cyanide Process on the Witwatersrand Gold Fields. By M. Eissler. T. I. M. & M., vol. 3, pp. 1, 41, 84.

Cyaniding in Montana. By M. W. Alderson. M. & M., July, 1903, p. 541.

The Cyanide Plant and Practice at the Ymir Mine, West Kootenay, British Columbia. By E. C. Holden. T. A. I. M. E., vol. 34, p. 599.

Cyaniding in New Zealand. By James Park. T. A. I. M. E., vol. 29, p. 666.

Cyaniding in the Telluride District: A Description of the Plant and Practice at the Liberty Bell Mine. By J. R. Bell. M. & M., Apr., 1902, p. 385. 4¾ columns.

The Cyanide Plant and Practice at Ymir Mine, West Kootenay, British Columbia: Methods and Costs of Treatment. By E. C. Holden. M. & M., Jan., 1904, p. 292.

Experiments with Bromo-Cyanogen on Southern Gold-Ores. By S. H. Brockunier. T. A. I. M. E., vol. 31, p. 793.

The Direct Treatment of Auriferous Mispickel-Ore by the Bromo-Cyanide Process at Deloro, Ontario, Canada. By H. K. Pickard. T. I. M. E., vol. 15, p. 417. 21 pages. I.

Applications of the Cyanide Process in South Africa. By C. Butters. E. & M. J., vol. 63, p. 233. 1 column.

Cyanidation in the South. By H. A. Megrau. E. & M. J., vol. 79, p. 705. 6⅔ columns. I.

The Cyanide Plant of the Rose Gold Mining Company, at Victor, California. By C. T. Aikins. E. & M. J., vol. 69, p. 46. 1¾ columns. I.

Cyanidation of Silver in Mexico. By H. G. Elwes. E. & M. J., Mar. 16, 1905, p. 515. 5 columns.

Cyaniding at Bingham, Utah. E. & M. J., vol. 67, p. 113. 2 columns.

Metallurgy of Homestake Ore: Crushing, Amalgamating, Methods of Classification, Cyanide Treatment, Precipitation and Results. By C. W. Merrill. M. & M., Dec., 1903, p. 233.

Slime Treatment on the Rand. By H. S. Denny. E. & M. J., vol. 76, p. 619. 7 columns. I.

Notes on the Treatment of Gold Slimes in Venezuela. By L. Symonds. T. I. M. & M., vol. 12, p. 392. 7 pages.

Recent Improvements in Slime Treatment: Cyanidation By D. J. Kelly. M. & M., vol. 28, p. 102. 5½ columns. I.

SLIMES PROCESS AT THE CONSOLIDATED MERCUR GOLD MINES. By G. Moore. E. & M. J., vol. 76, p. 855. 2 columns. I.

A CONTINUOUS PROCESS OF SLIMES TREATMENT. By E. T. Rand. J. C. & M. Soc. S. A., vol. 2, p. 686. 5 pages. I.

IMPROVEMENTS IN SLIMES TREATMENT. By M. Torrente. P. C. M. & M. Soc. S. A., vol. 5, p. 46. 6 pages. I.

ON THE CYANIDING OF ORE AT EL ORO, MEXICO, DEALING PRINCIPALLY WITH REGRINDING OF SANDS. By C. Butters and E. M. Hamilton. T. I. M. & M., vol. 14, p. 3. 45 pages.

THE EXTRACTION OF GOLD FROM CYANIDE HOUSE SLIMES BY A WET METHOD. By J. Fleming. J. C. & M. Soc. S. A., vol. 3, p. 347. 13 pages. I.

SLIMES TREATMENT ON THE RAND. J. C. & M. Soc. S. A., vol. 4, p. 158. 8 pages. I.

PROPOSED PROCESS FOR TREATMENT OF ZINC-GOLD SLIMES BEFORE MELTING. By C. E. Meyer. P. C. M. & M. Soc. S. A., vol. 6, p. 361. 6 columns.

THE REDUCTION OF ZINC-GOLD SLIMES. By E. H. Johnson. J. C. & M. Soc. S. A., vol. 2, p. 73. 5½ pages. I.

THE SOLUTION OF GOLD IN ACCUMULATED AND OTHER SLIMES. J. C. & M. Soc. S. A., vol. 2, p. 98. 6 pages.

AUSTRALIAN SLIMES AGITATION VAT. By F. C. Pengilly. J. C. & M. Soc. S. A., vol. 2, p. 180. 2 pages. I.

THE DECANTATION PROCESS OF SLIMES TREATMENT. By E. J. Laschinger. J. C. & M. Soc. S. A., vol. 4, p. 533. 33 pages. I.

THE IMPORTANCE OF FINE-GRINDING IN THE CYANIDE-TREATMENT OF GOLD AND SILVER ORES. By F. C. Brown. T. A. I. M. E., vol. 36, p. 654. 7 pages.

CYANIDING SLIMES AT THE PALMAREJO MINE, MEXICO. T. A. I. M. E., vol. 36, p 265. 21 pages. I.

SAVING SLIMES. By W. C. Clark. M. & M., vol. 21, p. 343. 2¼ columns.

THE LIXIVIATION OF SLIMES. By A. James. E. & M. J., vol. 67, p. 378. 1 column.

THE INDIRECT ADVANTAGES OF A SLIME PLANT. By J. R. Williams. J. C. & M. Soc. S. A., vol. 2, p. 657. 6 pages.

A NEW TREATMENT OF THE SLIME PROBLEM IN CYANIDING TALCOSE ORES. By M. D. Stackpole. E. & M. J., vol. 74, p. 42. 3 columns. I.

THE TREATMENT OF CLAY-SLIMES BY THE CYANIDE PROCESS AND AGITATION. By E. A. Tays and F. A. Schiertz. T. A. I. M. E., vol. 32, p. 179.

FILTER PRESSING SLIMES, HOMESTAKE, SOUTH DAKOTA. Min. & Sci. Press, vol. 91, p. 367. 1½ columns. I.

THE BUTTERS VACUUM FILTER. By G. H. Clevenger. M. & M., vol. 28, p. 574. 5½ columns. I.

THE PARRISH CONTINUOUS FILTER. By E. Parrish. E. & M. J., vol. 81, p. 1044. 2¾ columns. I.

NOTES ON THE TREATMENT OF SLIMES BY FILTER PRESSES. By C. Dixon. J. C. & M. Soc. S. A., vol. 3, p. 13. 33½ pages.

THE RIDGWAY FILTER. Min. & Sci. Press, vol. 94, p. 181. 4 columns. I.

THE BUTTERS FILTER. By M. H. Lamb. Min. & Sci. Press, vol. 94, p. 152, 2 columns; p. 367, 2½ columns; p. 400, 2 columns; p. 432, ¾ column.

THE MOORE AND BUTTERS FILTER. Min. & Sci. Press, vol. 94, p. 491. 3 columns.

THE FILTRATION OF SLIMES BY THE BUTTERS METHOD. By E. M. Hamilton. Min. & Sci. Press, vol. 94, p. 785, 9¼ columns, I.; p. 818, 8½ columns, I.

Cyanide Practice with the Moore Filter. By R. G. Brown. Min. & Sci. Press, vol. 93, p. 261, 3¾ columns; p. 292, 7½ columns, I.; p. 714, 4 columns.

Filter-Press Practice in Western Australia. By A. B. Wallace. Min. & Sci. Press, vol. 92, p. 71. 2⅓ columns. I.

Application of Cyaniding and Filter Pressing. By G. E. Walsh. E. & M. J., vol. 81, p. 488. 2½ columns.

Filter-Press Treatment of Gold Ores and Slimes by Cyanide. Min. & Sci. Press, vol. 87, p. 4, 3 columns; p. 24, 4½ columns, I.

Recent Improvements in the Cyanide Process: Early Methods, Tube Mills, Filter Presses, Vacuum Filters. By F. L. Bosqui. M. & M., vol. 27, p. 298. 4 columns.

Filter-Pressing in Western Australia. By W. A. Prichard. E. & M. J., vol. 77, p. 602. 3¾ columns. I.

The Thompson Filter Press on the Rand. By G. A. and H. S. Denny. Min. Mag., vol. 12, p. 269. 8 columns. I.

A Continuous Filter-Press. E. & M. J., vol. 76, p. 588. 2⅓ columns. I.

Filter-Press Treatment of Gold Ore Slimes. By W. McNeill. E. & M. J., vol. 66, p. 787. 3½ columns. I.

Filter-Press Treatment of Gold Ore Slimes, Hannan's, Western Australia. By W. McNeill. T. I. M. & M., vol. 6, p. 247.

A New Pressure-Filter. By R. P. Rothwell. T. A. I. M. E., vol. 13, p. 307.

The Ogle Continuous Filter. E. & M. J., Feb. 23, 1905, p. 372. 3 columns. I.

Use of Filter-Press in Camp Bird Cyanide Plant. T. A. I. M. E., vol. 33, p. 550.

The Agitation Process for Cyaniding Slimes. By C. S. Hurter. E. & M. J., vol. 71, p. 82. 2 columns. I.

The Moore Process at the Consolidated Mercur Gold Mines. Min. & Sci. Press, vol. 87, p. 334. 3 columns +. I.

A Novel Agitator: Cyaniding Slimes. Min. & Sci. Press, vol. 89, p. 6. ½ column. I.

A Trapezoidal Slimes Agitator. By C. DeKalb. E. & M. J., vol. 77, p. 241. 3½ columns. I.

The Chlorination Process

Production of Chlorine Gas for Gold Chlorination. Min. & Sci. Press, vol. 40, p. 289. 2 columns. I.

Chlorination Vats for Gold Ores. Min. & Sci. Press, vol. 40, p. 321. 2 columns. I.

A Sand Filter for Chlorination Barrels. By J. E. Rothwell. E. & M. J., vol. 60, p. 274. 2 columns. I.

An Improved Ten-Ton Chlorination Barrel. By J. E. Rothwell. E. & M. J., vol. 60, p. 370. 1 column. I.

The Effect of Silver on the Chlorination and Bromination of Gold. By H. O. Hofman and M. G. Magnuson. T. A. I. M. E., vol. 35, p. 948. 12 pages. I.

Treatment of Roasted Gold-Ores by Means of Bromine. By R. W. Lodge. T. A. I. M. E., vol. 25, p. 86.

Gold Refining by Chlorine Gas. By F. B. Miller. E. & M. J., vol. 10, p. 8, 2½ columns; p. 34, 2⅓ columns.

The Refining of Gold Sulphides Produced by the Precipitation of Gold from Chlorine or Bromine Solution with Sulphurous Acid and Hydrogen Sulphide. By W. Langguth. T. A. I. M. E., vol. 24, p. 100.

The Chlorination Process. By C. P. Williams. Coll. Engr. & Met. Miner, vol. 18, p. 1. 16 columns.

The Effect of Washing with Water Upon the Silver Chloride in Roasted Ore. By W. S. Morse. T. A. I. M. E., vol. 25, pp. 587, 1027.

Trough-Lixiviation. By O. Hofman. T. A. I. M. E., vol. 16, p. 662.

The Thies Process of Barrel Chlorination. By T. Egleston. Sch. Mines Quart., vol. 11, p. 138. 10 pages.

Chlorination of Gold Ores. E. & M. J., vol. 51, p. 446. 1¾ columns.

Notes on the Bertrand-Thiel Process. By J. Hartshorne. T. A. I. M. E., vol. 28, p. 254.

A Modern Plan for the Precipitation of Gold from Chlorine Solution by Sulphurous Acid and Hydrogen Sulphide. By W. Langguth. T. A. I. M. E., vol. 21, p. 314.

Chlorination vs. Cyanidation. E. & M. J., vol. 78, p. 821. 2½ columns.

Chlorination vs. Cyanidation. E. & M. J., March 16, 1905, p. 525. 2 columns.

Chlorination and Cyaniding. E. & M. J., vol. 65, p. 308. 1 column.

Chlorination vs. Cyanidation. E. & M. J., vol. 78, p. 1021. 3 columns.

Chlorination Mills at Cripple Creek, Colorado. By A. Lakes. M. & M., vol. 21, p. 337. 6 columns. I.

The Utica Mine Chlorination Plant. By T. N. Smith. E. & M. J., vol. 67, p. 467. 2 columns. I.

The Chlorination of Gold Ores at Mount Morgan, Queensland. By E. Hall. E. & M. J., vol. 68, p. 426. 1½ columns.

The Chlorination of Gold Ores at Mount Morgan, Queensland. By W. Nardin. E. & M. J., vol. 71, p. 85. 4 columns.

The Chlorination Mill at Colorado City, Colorado. By H. V. Croll. E. & M. J., vol. 66, p. 425. 2½ columns. I.

The Chlorination of Gold-Bearing Sulphides. By E. G. Spilsbury. T. A. I. M. E., vol. 16, p. 359.

The Chlorination of Low-Grade Auriferous Sulphides. By W. B. Phillips. T. A. I. M. E., vol. 17, p. 313.

The Extraction of Gold by Lixiviation. By W. A. Wilson. E. & M. J., vol. 47, p. 346, 2 columns; p. 366, 2½ columns; p. 388, 4 columns.

The Chlorination of Gold Ores. By L. D. Godshall. E. & M. J., vol. 57, p. 5, 3¾ columns; p. 32, 2⅓ columns.

Treatment of Refractory Silver-Ores by Chlorination and Lixiviation. By J. E. Buskell. T. I. M. E., vol. 16, p. 316. 14 pages. I.

The Portland Mill: A Description of the Chlorination Plant of the Portland Gold Mining Company, at Colorado Springs, Colorado. By F. A. Thompson and S. L. Goodale. M. & M., Nov., 1904, p. 155; Oct., 1904, p. 101.

Chlorination in Colorado. By W. E. Greenwalt. E. & M. J., vol. 78, p. 668. 8 columns. I.

Notes on the Chlorination Vat Process as Applicable to the Auriferous Concentrates of the Santa Anna Main Lode, Brazil. By S. Cragoe. T. I. M. & M., vol. 8, p. 121.

The Chlorination and Cyaniding Processes for the Extraction of Gold and Silver. Machinery for Metalliferous Mines, pp. 438–444.

Gold Chlorination in California. By F. D. Browning. Sch. Mines Quart., vol. 5, p. 359. 16 pages.

The New Chlorination. By W. E. Greenwalt. E. & M. J., vol. 78, p. 872. 6⅓ columns. I.

Notes on the Stamp-Mills and Chlorination Works of the Plymouth Construction Gold Mining Company, Amador County, California. T. A. I. M. E., vol. 15, p. 305.

The Practical Chlorination of Gold Ores and the Precipitation of Gold from Solution. By J. E. Rothwell. E. & M. J., vol. 51, p. 165, 2 columns; p. 204, 1⅓ columns; p. 282, 1¼ columns; p. 347, 1½ columns.

Chlorination of Silver Ores at La Dura, Sonora, Mexico. Min. & Sci. Press, vol. 18, p. 258. 2½ columns.

Extraction of Gold from Sulphurets: Chlorination. Min. & Sci. Press, vol. 42, p. 143. 2⅓ columns. I.

Extraction of Gold by Chlorine. Min. & Sci. Press, vol. 42, p. 168. 1½ columns. I.

Practical Workings of Chlorination. By T. G. Taylor. Min. & Sci. Press, vol. 75, p. 48. 2¾ columns. I.

Chlorination of Gold Ores in California. Min. & Sci. Press, vol. 68, p. 101. 1⅔ columns.

The Pollok Gold-Extracting Process: Chlorination. Min. & Sci. Press, vol. 63, p. 161. 2 columns. I.

The Modern Gold Chlorination Process for the Treatment of Gold Ores. Min. & Sci. Press, vol. 75, p. 573. 3 columns. I.

Extraction of Gold by Chlorobromuration: C. Grollet's Process. Min. & Sci. Press, vol. 85, p. 33, 3 columns; p. 48, 2⅓ columns; p. 61, 1 column+.

Gold Extraction by Cyanide — a Retrospect. By J. S. Macarthur. E. & M. J., vol. 80, p. 241. 4 columns.

The Lixiviation of Silver-Ores by the Russell Process at Aspen, Colorado. By W. S. Morse. T. A. I. M. E., vol. 25, pp. 137, 993.

A New Process of Chlorination for Mixed Gold and Silver Ores. By H. F. Brown. T. I. M. E., vol. 27, p. 529. 8 pages. I.

Gold Chlorination. By F. H. Mason. J. M. Soc. N. S., vol. 2, p. 152. 6½ pages.

The Chlorination of Gold Ore of the North Brookfield Mine, Nova Scotia. By H. L. Forbes. J. C. M. I., vol. 7, p. 308. 11 pages. I.

Chloridizing Treatment of Nickel Ores. By F. N. Rutherford. J. C. M. I., vol. 8, p. 336. 7 pages.

Lixiviation of Argentiferous Zincblends and Galena Ore. By O. Hofmann. E. & M. J., vol. 47, p. 136, 2 columns; p. 163, 5 columns; p. 189, 4 columns; p. 236, 3 columns; p. 255, 4½ columns; p. 319, 1 column.

Russell's Improved Process for the Lixiviation of Silver-Ores. By C. A. Stetefeldt. T. A. I. M. E., vol. 13, p. 47.

Miscellaneous Information

The Origin of Metallurgy — The Bronze Age. E. & M. J., vol. 27, p. 89, 2½ columns; p. 109, 1½ columns; p. 127, 1 column; p. 147, 2 columns; p. 161, 2 columns; p. 182, 2 columns.

Mining and Metallurgy at the St. Louis World's Fair, 1904. By J. A. Holmes. T. A. I. M. E., vol. 33, p. 650.

The Progress of the Metallurgy of Gold and Silver in the United States. By T. Egleston. Sch. Mines Quart., vol. 3, p. 71. 32 pages.

Treatment of Gold Quartz and Silver Ores. Sch. Mines Quart., vol. 3, p. 157. 16 pages.

Notes on the Present Western Practice of Metallurgy, Economically Considered. By W. B. Devereux. Sch. Mines Quart., vol. 18, p. 348, 17 pages; vol. 19, p. 35, 7 pages.

Co-Metallism. By I. W. Sylvester. E. & M. J., vol. 61, p. 231. 3½ columns.

Evidence for the Allotropic Theory. By H. M. Howe. E. & M. J., vol. 62, p. 557. 1⅙ columns.

Notes on the Relations of Manganese and Carbon in Iron and Steel. By A. Pourcel. T. A. I. M. E., vol. 11, p. 197.

Progress of Metallurgical Science in the West. By R. Pearce. T. A. I. M. E., vol. 18, p. 55.

Action of Silicon on Gold, Silver, Platinum and Mercury. By H. N. Warren. E. & M. J., vol. 48, p. 96. ½ column.

Treatment of Mixed Sulphide Ores Containing Zinc by Hydrometallurgical Processes. By W. R. Ingalls. E. & M. J., vol. 73, p. 620. 8 columns.

Notes on the Mining and Metallurgical Industries of Mexico. By J. Struthers. E. & M. J., vol. 72, p. 530. 22 columns. I.

Metallurgical Standards. By F. T. Snyder. J. C. M. I., vol. 2, p. 1. 10 pages. I.

Note on the Use of the Tri-Axial Diagram and Triangular Pyramid for Graphical Illustration. By H. M. Howe. T. A. I. M. E., vol. 28, pp. 346, 894.

The Determination of Matte. By J. P. Walker. E. & M. J., vol. 81, p. 852. 3 columns.

General Formula for Ore-Fluxing. Min. & Sci. Press, vol. 80, p. 202. ¾ column.

A Combination Syphon-Spout and Matte-Trap. By H. Harris. E. & M. J., vol. 81, p. 178. 3½ columns. I.

Origin of Metallurgy. Min. & Sci. Press, vol. 55, p. 115, 2 columns; p. 131, 1¾ columns; p. 147, 2⅓ columns; p. 162, 2½ columns; p. 178, 2½ columns.

Treating Complex Ores in Europe. Min. & Sci. Press, vol. 43, p. 222. ½ column.

The Burning, Overheating and Restoring of Steel. By G. B. Waterhouse. E. & M. J., vol. 81, p. 414. 8 columns. D.

Loss by Volatilization in Certain Metallurgical Operations. By C. P. Williams. E. & M. J., vol. 12, p. 82. 3½ columns.

A System of Ore-Bedding. Min. & Sci. Press, vol. 94, p. 539. 2½ columns. I.

Converter Lining. By H. L. Charles. Min. & Sci. Press, vol. 94, p. 572. 1 column. I.

The Settling and Collection of Dust in Flues. By L. S. Austin. Min. & Sci. Press, vol. 94, p. 668. 2½ columns. I.

Behavior of Carbon and Phosphorus in Steel. By H. M. Howe. E. & M. J., vol. 83, p. 1087. 8½ columns. I.

Matte Converting. By H. W. Hixon. E. & M. J., vol. 82, p. 197. 6 columns.

Use of Pyrometers in Ore-Roasting. By W. E. Greenwalt. E. & M. J., vol. 82, p. 193. 2 columns.

Slag Granulating and Conveying Device. By H. W. Hixon. E. & M. J., vol. 82, p. 553. 2¾ columns. I.

Composite Metallurgical Vessels. By A. L. Queneau. E. & M., vol. 82, p. 677. 8 columns. I.

Improved Method of Slag-Treatment at Argo. By H. V. Pearce. T. A. I. M. E., vol. 36, p. 89. 9 pages. I.

Notes on Experimental Metallurgy. By J. E. Clennel. J. C. & M. Soc. S. A., vol. 2, p. 492. 10 pages.

The Use of the Microscope in the Determination of the Properties of Steel. By A. Sauveur. P. E. Soc. W. Pa., vol. 18, p. 454. 36 pages. I.

General Method for the Micrographic Analysis of Steel. By F. Osmond. P. E. Soc. W. Pa., vol. 18, p. 503. 50 pages. I.

INFLUENCE OF COPPER IN RETARDING CORROSION OF SOFT STEEL AND WROUGHT IRON. By F. H. Williams. P. E. Soc. W. Pa., vol. 16, p. 231. 2 pages.

SEGREGATION IN STEEL. By W. E. Koch. P. E. Soc. W. Pa., vol. 9, p. 74, 5 pages; p. 107, 1 page.

A NEW CALORIMETER FOR THE DETERMINATION OF CARBON IN STEEL. By C. H. White. T. A. I. M. E., vol. 37, p. 559. 6 pages. I.

INTERNAL STRESSES AND STRAINS IN IRON AND STEEL. By H. D. Hibbard. T. A. I. M. E., vol. 37, p. 371. 17½ pages.

EFFECT OF LOW TEMPERATURE ON THE RECOVERY OF STEEL FROM OVERSTRAIN. T. A. I. M. E., vol. 37, p. 406. 24 pages.

THE LOCATION OF SMELTING WORKS. By H. Lang. E. & M. J., vol. 83, p. 565. 7¾ columns.

A PROCESS FOR OXIDIZING METALLIC SULPHIDES IN ORES. By N. Lebedeff and B. Pomeranzoff. E. & M. J., vol. 82, p. 1061. 2 columns. I.

THE SMOKE SHAFT, BUTTE, MONTANA. By E. Higgins. E. & M. J., vol. 82, p. 1029. 2 columns. I.

THE DISPOSAL OF SMELTER SMOKE. By H. Lang. E. & M. J., vol. 83, p. 1227. 5½ columns.

APPARATUS FOR COLLECTING SOLIDS FROM SMOKE. By M. W. Iles. E. & M. J., vol. 69, p. 647. 2 columns. I.

THE MICROSCOPE AS AN AID IN COPPER REFINING. By H. Nestor-Schnurmann. T. I. M. & M., vol. 13, p. 535. 10 pages. I.

A GRAPHIC METHOD FOR THE COMPUTATION OF BLAST FURNACE CHARGES. By C. O. Bannister. T. I. M. & M., vol. 13, p. 545. 4½ pages. I.

THE EFFECT OF EXPANSION ON SHRINKAGE AND CONTRACTION IN IRON CASTINGS. By T. D. West. T. A. I. M. E., vol. 26, p. 165.

REFRACTORY MATERIALS. By T. Egleston. T. A. I. M. E., vol. 4, p. 257.

THE REFRACTORY USES OF BAUXITE. By A. J. Aubrey. E. & M. J., vol. 81, p. 217. 4 columns.

THE ALLOYS OF LEAD AND TELLURIUM, AND ANTIMONY AND TELLURIUM. T. A. I. M. E., vol. 31, pp. 527, 544.

ALLOYS AS SOLUTIONS. By J. A. Matthews. E. & M. J., vol. 72, p. 819, 10½ columns, I.; p. 851, 11½ columns, I.

METALS AND THEIR FERRO-ALLOYS USED IN THE MANUFACTURE OF ALLOY STEELS. By O. J. Steinhart. T. I. M. & M., vol. 15, p. 228. 40 pages.

CHARCOAL AS A FUEL FOR METALLURGICAL PROCESSES. By J. Birkinbine. T. A. I. M. E., vol. 11, p. 78.

COAL VS. OIL IN THE PUDDLING-FURNACE AND IN RAISING STEAM. By G. H. Billings. T. A. I. M. E., vol. 17, p. 808.

USE OF CRUDE OIL IN CONVERTERS. By W. B. Rountree. E. & M. J., vol. 84, p. 639. ½ column. I.

A COMPARISON OF COAL AND OIL MUFFLE FURNACES. By G. J. Young. Min. & Sci. Press, vol. 94, p. 700. 4 columns. I.

COAL-DUST FIRING AT REVERBERATORY MATTE FURNACES. By S. S. Sörensen. E. & M. J., vol. 81, p. 274. 6⅓ columns. I.

OIL AS A MATALLURGICAL FUEL. By E. C. Felton. T. A. I. M. E., vol. 17, p. 809.

THE USE OF OIL IN METALLURGICAL FURNACES IN RUSSIA. E. & M. J., vol. 69, p. 739. 3¼ columns. I.

Electro-Metallurgy

THE COMMERCIAL DEVELOPMENT OF ELECTRO-METALLURGY. By G. E. Walsh. Min. & Sci. Press, vol. 91, p. 9. 2⅓ columns.

ELECTRIC SMELTING. By E. Haanel. J. C. M. I., vol. 8, p. 132. 25 pages. I.

ELECTRIC SMELTING. By E. Haanel. J. M. Soc. N. S., vol. 9, p. 106. 25 pages.

Electric Smelting. Min. & Sci. Press, vol. 91, p. 307. 2½ columns. I.

The Electrolysis of Chlorides. By E. Andreoli. E. & M. J., vol. 61, p. 568, 2½ columns; p. 592, 3¼ columns.

Electrical Apparatus and Processes for the Mining and Metallurgical Engineer. By N. S. Keith. T. A. I. M. E., vol. 10, p. 309.

Electro-metallurgy in 1905. By J. B. C. Kershaw. E. & M. J., vol. 82, p. 145. 5 columns.

The Hargreaves-Bird Electrolytic Soda Process. E. & M. J., vol. 65, p. 611. 3 columns. I.

Electro-Cyanide Method. By J. B. Hannay. T. I. M. & M., vols. 1 and 2, p. 369.

Electric Reduction of Metals Under Water. Min. & Sci. Press, vol. 82, p. 59.

Theory of Electro-metallurgy. By F. B. Crocker. Sch. Mines Quart., vol. 16, p. 97. 27 pages.

Electrolytic Refining. Min. & Sci. Press, vol. 82, pp. 61, 84.

Silver Electrolytic Refining. E. & M. J., vol. 80, p. 3951. ⅓ column.

The Condensation of Fumes by Static Electricity. By M. W. Iles. Sch. Mines Quart., vol. 16, p. 354. 2 pages.

The Electrolytic Chlorate Works at Chedde, Savoy. By J. B. C. Kershaw. E. & M. J., vol. 67, p. 677. 4 columns. I.

Production of Hydrogen and Oxygen for Industrial Purposes, by Electrolysis. E. & M. J., vol. 72, p. 112. 2 columns. I.

Electrical Extraction of Nitrogen from the Air. By J. S. Edstrom. Min. Mag., Oct.–Nov., 1904, p. 309. ½ column.

Electrical Apparatus and Processes for the Mining and Metallurgical Engineer. By N. S. Keith. T. A. I. M. E., vol. 10, p. 309.

Electrical Precipitation in Montana. By M. W. Alderson. Min. & Sci. Press, vol. 89, p. 137, 1½ columns; p. 157, 1½ columns, I.; p. 178, 1 column, I.

Advanced Methods of Electric Precipitation. By J. H. Jory. Min. & Sci. Press, vol. 84, p. 33. 2 columns+.

Smelting Ores by Electricity. Min. & Sci. Press, vol. 54, p. 157. 1¼ columns. I.

Electrolysis of Alkaline Chlorides for the Preparation of Caustic and Chlorine. By H. Y. Costner. E. & M. J., vol. 58, p. 270. 4½ columns. I.

Electric Heating and Smelting. By S. H. Emmens. E. & M. J., vol. 54, p. 57. 1½ columns.

The Use of Balanced Electrodes. By W. W. H. Gee. E. & M. J., vol. 80, p. 247. 1 column.

Electrolytic Theory. E. & M. J., vol. 80, p. 60. 2¼ columns.

The Acker Electrolytic Alkali Process. By C. P. Townsend. E. & M. J., vol. 73, p. 658. 5½ columns. I.

Hargreaves-Bird Process for the Electrolytic Production of Soda and Bleach. By E. Walker. E. & M. J., vol. 73, p. 471. 4½ columns. I.

The McDonald Electrolytic Cell as a Chlorine Producer. By T. Ulke. E. & M. J., vol. 75, p. 857. 2½ columns. I.

The Electrical Burner for Blast-Furnaces. By F. L. Grammer. T. A. I. M. E., vol. 31, p. 626.

Arrangement of an Electro-Plating Plant. By T. Ulke. E. & M. J., Aug. 6, 1898, p. 159. 2¼ columns. I.

ON ELECTRO-SILVER PLATING. By C. A. Wittmack. Sch. Mines Quart., vol. 3, p. 30. 4½ pages.

SILVER PLATING BATTERY PLATES. M. & M., Aug., 1901, p. 23.

A CHEAP ADJUSTABLE ELECTROLYTIC STAND. By G. L. Heath. E. & M. J., vol. 62, p. 76. 1 column. I.

CHEMISTRY OF STORAGE-BATTERIES. T. A. I. M. E., vol. 18, p. 351.

ELECTRO-CHEMICAL TREATMENT OF ORES. Min. & Sci. Press., vol. 76, p. 368. 2⅔ columns. I.

THE DEVELOPMENT OF ELECTRO-CHEMISTRY. By R. H. Johnston. Sch. Mines Quart., vol. 16, p. 262. 18 pages.

ELECTRO-CHEMICAL INDUSTRIES. By F. B. Crocker and M. Arendt. Sch. Min. Quart., vol. 25, p. 1. 20 pages. I.

RECENT ELECTRO-CHEMICAL METHODS. By J. W. Richards. E. & M. J., vol. 78, p. 92. 2 columns.

PROGRESS OF ELECTRO-CHEMISTRY IN 1898. E. & M. J., vol. 68, pp. 190, 220, 247.

AN ELECTRICAL STOVE FOR LABORATORY USE. E. & M. J., vol. 64, p. 577. ½ column. I.

ELECTROLYTIC VS. SULPHURIC PARTING OF BULLION. By E. D. Esterbrooks. E. & M. J., vol. 80, p. 1110. 5 columns. I.

THE ELECTROLYTIC REFINING OF SILVER AND GOLD: A Description of Different Methods and Some of the Advantages of Each. By Titus Ulke. M. & M., Mar., 1903, p. 353. 9 columns.

ELECTRO-DEPOSITION AND RECOVERY OF GOLD. By E. Andreoli. E. & M. J., vol. 64, p. 96. 1 column.

INFLUENCE OF THE ANODES IN DEPOSITING GOLD FROM ITS CYANIDE SOLUTION. By E. Andreoli. E. & M. J., vol. 65, p. 100. 1⅓ columns.

THE ELECTROLYTIC MARINE SALTS COMPANY: Gold from Sea Water. E. & M. J., vol. 66, p. 581. 1 column. I.

THE ELECTRICAL PRECIPITATION OF GOLD ON AMALGAMATED COPPER PLATES. By T. K. Rose. T. I. M. & M., vol. 8, p. 369.

ELECTROLYTIC APPARATUS FOR EXTRACTING PRECIOUS METALS. Min. & Sci. Press, vol. 83, p. 111.

ELECTROLYTIC PARTING OF GOLD AND SILVER. Min. & Sci. Press, vol. 85, p. 233.

METHOD OF THE CAPILLARY ELECTROLYTIC SLUICE IN THE EXTRACTION OF GOLD. Min. & Sci. Press, vol. 68, p. 326. 1⅓ columns.

THE CAPILLARY-ELECTROLYTIC SLUICE IN THE EXTRACTION OF GOLD. By J. H. Jory. E. & M. J., vol. 58, p. 440. 1½ columns.

ELECTROLYTIC PROCESSES IN GOLD EXTRACTION. By A. T. Weightman. M. & M., vol. 21, p. 369. 2½ columns.

DEVELOPMENT OF ELECTRO-DEPOSITION OF GOLD IN THE TRANSVAAL. By E. Andreoli. E. & M. J., vol. 60, p. 588. 1¾ columns.

ELECTRICAL PRECIPITATION OF GOLD. By A. von Gernet. J. C. & M. Soc. S. A., vol. 1, p. 28. 6 pages.

NOTES ON THE ELECTROLYSIS OF ARGENTIFEROUS COPPER. By Wm. Terrill. T. I. M. & M., vol. 6, p. 215.

NOTE ON THE RELATION BETWEEN ARSENIC AND ELECTRO-MOTIVE FORCE IN COPPER-ELECTROLYSIS. By L. W. Wickes. T. A. I. M. E., vol. 35, p. 40. 4 pages.

ELECTROLYTIC COPPER REFINING. By L. Addicks. Min. Mag., vol. 13, p. 149. 4 columns.

THE ELECTRIC REFINING OF COPPER. By A. von Gernet. J. C. & M. Soc. S. A., vol. 1, p. 183. 7 pages.

DEPOSITION OF COPPER: Electrolytic Deposition of Copper. Min. & Sci. Press, vol. 84, pp. 218, 280.

ELECTROLYTIC RECOVERY OF COPPER FROM LOW-GRADE ORES. Min. & Sci. Press, vol. 84, p. 161.

ELECTROLYTIC REFINING OF COPPER. Min. & Sci. Press, vol. 84, pp. 3, 215; vol. 85, p. 202.

THE ANACONDA ELECTROLYTIC COPPER REFINERY. E. & M. J., vol. 62, p. 271. 6½ columns. I.

ELECTROLYTIC REFINING OF COPPER. Min. & Sci. Press, vol. 87, pp. 234, 254.

COWPER-COLES CENTRIFUGAL PROCESS: A Novel Electrolytical Process for the Simultaneous Refining of Copper and Shaping the Finished Product. By J. B. Van Brussel. M. & M., vol. 27, p. 106. 4 columns. I.

POWER REQUIRED TO DEPOSIT COPPER BY ELECTRICITY. By T. K. Wilkinson. Min. & Sci. Press, vol. 84, p. 219. 1 column.

ELECTROLYTIC COPPER REFINING. By W. D. Bancroft. M. & M., vol. 24, p. 182. 10 columns. D.

PROGRESS IN ELECTROLYTIC REFINING OF COPPER IN 1902. By T. Ulke. E. & M. J., vol. 75, p. 408. 5 columns.

ELECTROLYTIC REFINING OF COPPER. E. & M. J., vol. 76, p. 740. 2⅓ columns.

NOTES ON THE ELECTRO-DEPOSITION OF COPPER. E. & M. J., vol. 80, p. 247, 1½ columns; p. 357, 3 columns.

THE ELMORE COPPER DEPOSITING PROCESS. E. & M. J., vol. 51, p. 355. 2 columns. I.

COPPER BY ELECTRICITY. By N. S. Keith. T. A. I. M. E., vol. 6, p. 458.

SIEMENS ELECTROLYTIC PROCESS OF COPPER EXTRACTION. E. & M. J., vol. 53, p. 327, 2½ columns; vol. 54, p. 126, 2 columns.

NOTES ON THE ELECTROLYSIS OF ARGENTIFEROUS COPPER. By Wm. Ferrill. T. I. M. & M. vol. 6, p. 215.

THE ELECTROLYTIC DETERMINATION OF COPPER. By W. E. Grainger. E. & M. J., vol. 69, p. 558. 1 column.

THE ELECTROLYTIC DETERMINATION OF COPPER. By T. Smith. E. & M. J., vol. 71, p. 659. 2 columns.

ELECTRO-METALLURGICAL TREATMENT OF COPPER ORES. Min. & Sci. Press, vol. 85, pp. 82–208.

SHORT ELECTROLYTIC COPPER DETERMINATION. By P. G. Spilsbury. E. & M. J., vol. 84, p. 773. 4 columns. I.

ELECTROLYTIC MANUFACTURE OF WHITE LEAD. By R. P. Williams. E. & M. J., vol. 61, p. 471. 1⅔ columns.

ELECTROLYTIC TREATMENT OF LEAD. Min. & Sci. Press, vol. 85, p. 264.

ELECTROLYTIC PRODUCTION OF SPONGY LEAD. Min. & Sci. Press, vol. 85, p. 306.

THE ELECTROLYTIC REFINING OF BASE LEAD BULLION. By T. Ulke. E. & M. J., vol. 74, p. 475, 2¼ columns; vol. 79, p. 956, 1 column.

ELECTROLYTIC REFINING OF LEAD AND THE TREATMENT OF THE SLIMES RESULTING THEREFROM AT THE CANADIAN SMELTING WORKS AT TRAIL, BRITISH COLUMBIA. By Robt. L. Whitehead. M. & M., Jan. 1905, p. 285. 8 columns.

THE DESILVERIZATION OF LEAD BY ELECTROLYSIS. By N. S. Keith. T. A. I. M. E., vol. 13, p. 310.

ELECTROLYTIC LEAD-REFINING. By A. G. Betts. T. A. I. M. E., vol. 34, p. 175.

THE ELECTRIC SMELTING OF ZINC ORES. By F. T. Snyder. J. C. M. I., vol. 8, p. 119. 13 pages.

THE TREATMENT OF BROKEN HILL SULPHIDE ORES BY WET EXTRACTION PROCESSES, AND THE ELECTROLYTIC DEPOSITION OF ZINC. By E. A. Ashcroft. T. I. M. & M., vol. 6, p. 282.

ELECTROLYTIC ZINC EXTRACTION. E. & M. J., vol. 62, p. 52. 1 column.

ELECTROLYTIC DETERMINATION OF ZINC. E. & M. J., vol. 76, p. 238. ½ column.

Electro-Metallurgy of Zinc Ores. Min. & Sci. Press, vol. 85, p. 25.

Electrolytic Zinc Extraction by the Hoepfner Process. By E. Guenther. E. & M. J., vol. 75, p. 750. 7½ columns. I.

The Electro-Metallurgy of Iron and Steel. By A. F. Schneider. Min. Mag., Aug., 1904, p. 109. 14½ columns. I.

Electrical Reduction of Iron Ores. Min. & Sci. Press, vol. 83, p. 139.

The Electric Furnace in Steel Making and Copper Smelting. By T. S. Anderson. E. & M. J., vol. 83, p. 1231. 3½ columns.

Electric Smelting of Iron Ore. By P. Thompson. E. & M. J., vol. 82, p. 24. 5 columns. I.

Electrolytic Production of Tin. Min. & Sci. Press, vol. 84, p. 206.

The Frasch Electrolytic Process for Refining Nickel. E. & M. J., vol. 71, p. 428. 2½ columns. I.

Notes on the Electro-Deposition of Chromium. By S. Cowper-Coles. T. I. M. & M., vol. 8, p. 142.

The Electro-Galvanic Quicksilver-Saving Apparatus. Min. & Sci. Press, vol. 26, p. 369. 1 column. I.

Purification of Quicksilver. Min. & Sci. Press, vol. 28, p. 177. 1 column. I.

Electro-metallurgy of Antimony. By A. G. Betts. E. & M. J., vol. 80, p. 829. 1½ columns.

Notes on the Electro-Deposition of Vanadium. By S. Cowper-Coles. T. I. M. & M., vol. 7, p. 198. 2½ pages.

The Stassano Thermo-Electric Furnace. By E. Stassano. E. & M. J., vol. 83, p. 1135. 8 columns. I.

An Electrical Furnace for Reducing Refractory Ores. By T. Sterry Hunt. T. A. I. M. E., vol. 14, p. 492.

Electric Furnaces. Min. & Sci. Press, vol. 83, pp. 90, 165; vol. 84, p. 294.

Electric Smelting Furnaces. Min. & Sci. Press, vol. 83, p. 7.

Electric Roasting Furnace. Min. & Sci. Press, vol. 83, p. 294.

The Thompson Electric Furnace. E. & M. J., vol. 57, p. 151. 2 columns. I.

The New Moissan Electric Furnace. E. & M. J., vol. 57, p. 79. ¾ column. I.

METALS

Properties of Various Metals.

Microscopic Metallography. By F. Osmond. T. A. I. M. E., vol. 22, p. 243.

Further Experiments on Amorphous Gold. By H. Louis. T. A. I. M. E., vol. 24, p. 705.

The Allotropism of Gold. By H. Louis. T. A. I. M. E., vol. 24, p. 182.

The Geognostical History of Metals. By T. S. Hunt. T. A. I. M. E., vol. 1, p. 331.

The Patience of Copper and Silver as Affected by Annealing. By H. M. Howe. T. A. I. M. E., vol. 13, p. 646.

On an Apparatus for Testing the Resistance of Metals to Repeated Shocks. By W. Kent. T. A. I. M. E., vol. 8, p. 76.

Thin Plates of Metal. By T. Egleston. T. A. I. M. E., vol. 7, p. 91.

The Wear of Metal as Influenced by Its Chemical and Physical Properties. By C. B. Dudley. T. A. I. M. E., vol. 19, p. 892.

The Law of Fatigue and Refreshment of Metals. By T. Egleston. T. A. I. M. E., vol. 8, p. 398.

The Color of Gold. Min. & Sci. Press, vol. 69, p. 164. ⅓ column.

Popular Fallacies Regarding Precious Metals Ore-Deposits. By A. Williams. U. S. G. S., 4th Ann. Rept., 1884, pp. 253–271.

Divisibility of Gold. Min. & Sci. Press, vol. 36, p. 134. 1½ columns.

Divisibility of Quicksilver, Gold, and Silver. Min. & Sci. Press, vol. 28, p. 22. ¾ column.

Mining and Opinions Concerning Metals Over Two Centuries Ago. Min. & Sci. Press, vol. 40, pp. 41, 44. 3½ columns.

The Odor of Metals. Min. & Sci. Press, vol. 94, p. 817. 1 column.

Bismuth. Min. & Sci. Press, vol. 93, p. 114. ¼ column.

Iridium: Its Occurrence, Fusion, Electro-Plating and Applications in the Arts. By N. W. Perry. Sch. Mines Quart., vol. 6, p. 97. 18 pages. I.

Bibliography of the Metal Iridium. Sch. Mines Quart., vol. 6, p. 114. 5 pages.

Native Lead. Min. & Sci. Press, vol. 57, p. 301. 2¾ columns.

The Specific Gravity of Certain Leads. By C. P. Williams. T. A. I. M. E., vol. 5, p. 615.

Palladium. E. & M. J., Mar. 16, 1905, p. 512. ½ column.

Selenium. E. & M. J., Mar. 23, 1905, p. 565. 1 column.

Notes on Selenium and Tellurium. Min. & Sci. Press, vol. 75, p. 457. 3 columns.

Tellurium. Min. & Sci. Press, vol. 32, p. 217. 1¼ columns.

Tellurium: How to Make Tests. Min. & Sci. Press, vol. 32, p. 266. ⅓ column.

The Occurrence of Tellurium in Montana. By R. Pearse. E. & M. J., vol. 63, p. 117, ½ column; p. 139, ½ column.

The Effect of Tellurium on Brass. By E. S. Sperry. T. A. I. M. E., vol. 33, p. 682.

Preparation and Properties of Titanium. By H. Moissan. E. & M. J., vol. 59, p. 246. ⅔ column.

Tantalum. E. & M. J., Mar. 23, 1905, p. 555. 2 columns.

Thorium. Min. & Sci. Press, vol. 92, p. 145. 1 column.

Uranium in Colorado. E. & M. J., vol. 71, p. 564. 1 column.

Vanadium in Argentine Coal. By W. P. Blake. E. & M. J., vol. 58, p. 128. ⅔ column.

Notes on Some of the Less Common Metals in the West of England. By J. H. Collins. E. & M. J., vol. 81, p. 1226. 5 columns.

Gold and Silver, Properties, Fineness, etc.

The History of the Relative Values of Gold and Silver. By R. W. Raymond. T. A. I. M. E., vol. 3, p. 426.

The Intrinsic Value of Gold. E. & M. J., vol. 63, p. 63.

The Fineness of Native Gold in the Carolinas and Georgia. By C. B. Hanna. E. & M. J., vol. 42, p. 201. 1 column.

The Volatilization of Gold. E. & M. J., vol. 40, p. 126. 1⅔ columns.

Fineness of California Gold. By F. A. Leach. T. A. I. M. E., Mines and Minerals of California, p. 175. 13 pages.

Cripple Creek's Fine Native Gold. Min. & Sci. Press, vol. 70, p. 346. ½ column.

The Pureness of Placer Gold. Min. & Sci. Press, vol. 89, p. 20. Note.

Fineness and Value of California Gold. Min. & Sci. Press, vol. 80, p. 69, 2 columns; p. 205, ½ column.

Volatility of Gold and Silver. By A. B. Paul. Min. & Sci. Press, vol. 32, p. 305. 1½ columns.

Volatilization of Gold. Min. & Sci. Press, vol. 42, p. 294, ⅞ column; p. 386, ½ column; p. 422, 1¼ columns.

The Volatilization of Gold During Melting. By T. K. Rose. E. & M. J., vol. 84, p. 297. 1½ columns.

Chemical and Physical Properties of Gold. Coll. Engr. & Met. Miner, vol. 17, p. 89.

Chemical Features of Gold. Min. & Sci. Press, vol. 79, p. 722. 1⅞ columns.

Solubility of Gold in Certain Oxidizing Agents. By V. Lenher. E. & M. J., vol. 77, p. 963. 2 columns.

Fine Gold. E. & M. J., vol. 78, p. 827. ¼ column.

Efflorescence of Silver. Min. & Sci. Press, vol. 26, p. 97. ¾ column.

Gold and Silver. By J. A. Hourwich. Rept. Census Office, Mines & Quarries, 1902, p. 509. 50 columns. I.

Wire Silver. Min. & Sci. Press, vol. 55, p. 20. ½ column.

"Mustard" Gold. M. & M., vol. 21, p. 362. Note.

Mosaic Gold. Min. & Sci. Press, vol. 36, p. 391. ⅔ column.

Gold Crystals. Min. & Sci. Press, vol. 18, p. 105. ⅙ column.

Note on Experiments on the Specific Gravity of Gold Contained in Gold-Silver Alloys. By H. Louis. T. A. I. M. E., vol. 22, pp. 117, 724.

The Crystalline Structure of Gold and Platinum Nuggets. By A. Liversidge. E. & M. J., vol. 65, p. 224. 3¼ columns. I.

The Non-Homogeneity of Certain Gold Bars. By L. Janin. E. & M. J., vol. 54, p. 317. ½ column.

Big Gold Bars. Min. & Sci. Press, vol. 59, p. 208. ⅔ column.

That Big Gold Bar. Min. & Sci. Press, vol. 59, p. 266. 1 column.

The Largest Gold Bar. Min. & Sci. Press, vol. 27, p. 225, ½ column; p. 273, 1 column; p. 369, ½ column.

The Minting of Gold and Silver. By A. Williams. Min. & Sci. Press, vol. 53, pp. 310, 326, 343, 358, 359, 390.

How Gold is Shipped: Insurance, Wear by Abrasion, Sealing, etc. Min. & Sci. Press, vol. 63, p. 103, ½ column; p. 179, ½ column.

Measuring Globules of Silver. Min. & Sci. Press, vol. 52, p. 21, 1 column, I.; p. 78, 1½ columns.

Telluride in "Mustard Gold." Min. & Sci. Press, vol. 75, p. 290. ½ column.

Rusty Gold. Min. & Sci. Press, vol. 46, p. 182. 2 columns.

The Cause of Rustiness and of Some of the Losses in Working Gold. By T. Egleston. T. A. I. M. E., vol. 9, p. 646.

Absolutely Pure Silver: United States Mint. E. & M. J., vol. 82, p. 308. Note.

Sterling Silver. Min. & Sci. Press, vol. 65, p. 380. ⅓ column.

Proof Gold and Silver. By C. Whitehead. E. & M. J., vol. 66, p. 36. ½ column; vol. 68, p. 785, 1 column.

Percentage of Gold in Ores. Min. & Sci. Press, vol. 31, p. 88, ¾ column; p. 129, 2 columns.

Gold from Sea Water. Min. & Sci. Press, vol. 64, p. 425, ½ column.

Gold in Sea-Water. By E. Sonstadt. E. & M. J., vol. 14, p. 387, 1½ columns; p. 401, 2 columns.

Gold and Its Associations. By G. P. Merrill. E. & M. J., vol. 79, p. 992. 3½ columns.

Rusty Gold. E. & M. J., vol. 48, p. 184. ⅔ column.

Gold and Gold Alloys. Engineering, London, vol. 67, p. 146, 3¼ columns; vol. 66, p. 542, 3 columns; p. 733, 3 columns.

Platinum

Platinum. By D. T. Day. Rept. Census Office, Mines and Quarries, 1902, p. 661. 4 columns.

Liquation of Gold and Platinum Alloys. By E. Matthey. E. & M. J., vol. 50, p. 105. ½ column.

PLATINUM AND PALLADIUM IN CERTAIN COPPER ORES. By T. T. Read. E. & M. J., vol. 79, p. 985. 5½ columns. I.

NOTES ON PLATINUM AND ITS ASSOCIATED METALS. By J. F. Kemp. E. & M. J., vol. 73, p. 512. 2 columns.

A LARGE NUGGET OF PLATINUM. E. & M. J., vol. 63, p. 333. 1¼ columns. I.

Copper, Mass Copper, etc.

THE PRODUCTION OF COPPER AND ITS SOURCES OF SUPPLY. By M. Eissler. T. I. M. E., vol. 21, p. 315. 39 pages.

COPPER: Its Sources, the Methods Employed for Reducing Its Ores. By L. Fenchtwanges. Am. Jour. Min., vol. 7, p. 181. 3 columns.

THE MASS COPPER OF LAKE SUPERIOR MINES AND THE METHODS OF MINING IT. By W. P. Blake. T. A. I. M. E., vol. 4, p. 110.

LARGE MASSES OF COPPER. Min. & Sci. Press, vol. 79, p. 9. Note.

MASS OR BARREL COPPER OF LAKE SUPERIOR MINES. E. & M. J., vol. 78, p. 705, 2 columns, I.; p. 749, 3 columns.

COPPER AND COPPER ORES. E. & M. J., vol. 38, p. 329. 1½ columns.

INFLUENCE OF SMALL QUANTITIES OF IMPURITIES ON COPPER. E. & M. J., vol. 61, p. 353. 2¼ columns. I.

Tin, Its Properties, etc.

SOME NOTES CONCERNING TIN. By J. W. Gray. Min. & Sci. Press, vol. 88, p. 197. 3 columns.

THE ECONOMIC GEOLOGY OF TIN. By H. A. Wheeler. Coll. Engr., vol. 13, p. 145. 3½ columns. I.

ECONOMIC GEOLOGY OF MERCURY. Coll. Engr., vol. 13, p. 217. 4 columns. I.

TIN. E. & M. J., Jan. 12, 1905, p. 76. 5 columns,

TIN IN THE UNITED STATES. By F. L. Garrison. E. & M. J., vol. 78, p. 830. 5½ columns.

BLOCK TIN RESULTING FROM DISTILLATION OF A TIN AMALGAM. By R. H. Richards. T. A. I. M. E., vol. 11, p. 235.

NAILS FROM TIN-SCRAP. By O. Smith. T. A. I. M. E., vol. 17, p. 495.

SUBSTITUTES FOR TIN. Min. & Sci. Press, vol. 93, p. 175. 1¾ columns.

DISINTEGRATION OF TIN. Min. & Sci. Press, vol. 44, p. 275. ½ column.

Quicksilver, Its Properties, etc.

QUICKSILVER. By J. Struthers. Rept. Census Office, Mines & Quarries, 1902, p. 649. 16 columns.

CHEMICAL AND PHYSICAL PROPERTIES OF MERCURY. Min. & Sci. Press, vol. 80, p. 462. 2 columns.

SOMETHING ABOUT QUICKSILVER: Historical, etc. By H. G. Hanks. Min. & Sci. Press, vol. 59, p. 22. 2½ columns.

THE PROPERTIES OF MERCURY. Min. & Sci. Press, vol. 59, p. 142. 7 columns.

CALIFORNIA QUICKSILVER. Min. & Sci. Press, vol. 28, p. 50. 1¾ columns.

PRODUCTION OF QUICKSILVER AT NEW ALMADEN FOR 21 YEARS, ETC. Min. & Sci. Press, vol. 28, p. 184. Table.

REMARKS ON QUICKSILVER. Min. & Sci. Press, vol. 33, p. 240, 1 column; p. 276, 1¼ columns; p. 289, 1 column; p. 321, 1½ columns; p. 352, 1½ columns; vol. 34, p. 6, 3 columns.

QUICKSILVER: Uses to Which It Is Put, etc. Min. & Sci. Press, vol. 30, p. 98. 3 columns.

QUICKSILVER MINING. E. & M. J., vol. 48, p. 470. 1½ columns.

QUICKSILVER: How It Comes and How Weighed in the Form of Amalgam. E. & M. J., vol. 80, p. 308. Note.

Quicksilver Flasks — Weighing and Filling at New Almaden Mine. Min. & Sci. Press, vol. 57, p. 237. 1½ columns. I.

Quicksilver Flasks. Min. & Sci. Press, vol. 48, p. 138. ½ column.

Iron, Its Alloys, etc.

Note on a Specimen of Native Iron. By J. Birkinbine. T. A. I. M. E., vol. 24, p. 616.

On a Meteoric Iron from South Carolina. By W. E. Hidden. Sch. Mines Quart., vol. 8, p. 31. 4 pages. I.

A Recently Discovered Meteoric Iron from Independence County, Arkansas. By W. E. Hidden. Sch. Mines Quart., vol. 7, p. 188. 6 pages. I.

Iron Alloys, with Special Reference to Manganese Steel. By R. A. Hadfield. E. & M. J., vol. 56, p. 106. 20 columns. I.

Iron Alloys with Special Reference to Manganese Steel. By R. H. Hadfield. T. A. I. M. E., vol. 23, p. 148.

On "Buck-Shot" Iron. By F. P. Dewey. T. A. I. M. E., vol. 6, p. 499.

Aluminum and Its Properties

Progress in the Use of Aluminum in 1906. By J. W. Richards. E. & M. J., vol. 83, p. 1147. 7⅓ columns.

The Properties of Aluminum with Some Information Relating to the Metals. By J. W. Langley, C. M. Hall, and A. E. Hunt. E. & M. J., vol. 49, p. 284, 3 columns; p. 314, 3½ columns; p. 334, 4 columns.

Aluminum. By W. R. Ingalls. E. & M. J., vol. 53, p. 5, 2½ columns; vol. 77, p. 20. 1½ columns.

The Preparation of Alumina from Bauxite. By J. Sutherland. E. & M. J., vol. 62, p. 320. 3½ columns. I.

Note on the Disintegration of an Alloy of Nickel and Aluminum. By E. S. Sperry. T. A. I. M. E., vol. 29, pp. 280, 1029.

Aluminum-Bronze. By L. Waldo. T. A. I. M. E., vol. 24, pp. 525, 878.

Aluminum and Other Metals Compared. By W. J. Keep. T. A. I. M. E., vol. 18, p. 798.

The Properties of Aluminum, with Some Information Relating to the Metal. By A. E. Hunt, John W. Langley and C. M. Hall. T. A. I. M. E., vol. 18, p. 528.

Note on the Use of Aluminum in the Construction of Instruments of Precision. By W. P. Blake. T. A. I. M. E., vol. 18, p. 503.

MINERALS

Mineral Determination and Classification

Tables for the Rapid Determination of the Common Minerals by "External" Signs and by the Behavior of the Minerals Before the Blowpipe. By A. J. Moses. Sch. Mines Quart., vol. 11, p. 334. 20 pages.

Simple Tables for the Determination of the Common or Economically Important Minerals. By A. J. Moses. Sch. Mines Quart., vol. 21, p. 192. Tables.

Summary of Useful Tests with the Blowpipe. By A. J. Moses. Sch. Mines Quart., vol. 11, p. 41. 15 pages.

The Optical Recognition and Economic Importance of the Common Minerals Found in Building Stone. By L. McI. Luquer. Sch. Mines Quart., vol. 15, p. 285. 51 pages.

Rapid Qualitative Examination of Mineral Substances. By A. J. Moses and J. S. C. Wells. Sch. Mines Quart., vol. 14, p. 25. 15 pages.

CANFIELD'S MINERAL DRESSER. By T. Egleston. T. A. I. M. E., vol. 4, p. 273.

NOTES ON BLOW-PIPE ANALYSIS. By A. J. Moses. Sch. Mines Quart., vol. 10, p. 320. 6 pages.

SCHEME FOR QUALITATIVE BLOWPIPE ANALYSIS. By A. J. Moses. Sch. Mines Quart., vol. 8, p. 359. 6 pages.

CUTTING AND POLISHING MINERAL SPECIMENS: Methods of Constructing Apparatus at Small Cost by which Specimens May be Prepared for Exhibit or Use. By F. W. Brady. M. & M., Sept., 1903, p. 72. 2½ columns. I.

A QUICK WAY OF PREPARING SECTIONS OF ROCKS. By G. L. Mackenzie. E. & M. J., vol. 76, p. 348. 2 columns. I.

THE MINERALOGY OF THE CARBONIFEROUS. By H. S. Poole. T. F. C. M. I., vol. 3, p. 77. 6 pages.

ARCHEOLOGY AND MINERALOGY. By P. Haupt. E. & M. J., vol. 75, p. 747. 1 column.

THE CLASSIFICATION OF THE CRYSTALLINE CEMENTS. Amer. Geologist, vol. 29, p. 146–154. 1902.

THE SIZE OF CRYSTALS. By C. S. Palmer. E. & M. J., Feb. 16, 1905, p. 323. 1 column.

LECTURE-NOTES ON ROCKS. By J. F. Kemp. Sch. Mines Quart., vol. 17, p. 38, 16 pages; p. 128, 31 pages; p. 267, 28 pages, I.; p. 401, 34 pages.

ROCK CLASSIFICATION IN THE PHILIPPINES. E. & M. J., vol. 80, p. 1. 2⅓ columns.

A SYSTEMATIC NOMENCLATURE FOR MINERALS. By H. M. Howe. T. A. I. M. E., vol. 12, p. 238.

A SIMPLE CLASSIFICATION OF IGNEOUS ROCKS. By S. Turner. Min. & Sci. Press, vol. 94, p. 404. 4 columns. D.

Value of Ore and Its Determination

THE VALUE OF ORES IN MEXICO. By N. H. Emmons. T. A. I. M. E., vol. 32, p. 94.

ORE-BUYING AND PENALTIES IN WISCONSIN ZINC FIELDS. E. & M. J., vol. 81, p. 1235. ½ column.

VALUATION OF ZINC ORE. E. & M. J., vol. 83, p. 1098. ½ column.

PURCHASING TUNGSTEN ORE AT BOULDER COUNTY, COLORADO. E. & M. J., vol. 83, p. 952. 1 column.

THE PURCHASE OF ZINC ORE. E. & M. J., vol. 83, p. 952. 1 column.

THE PURCHASE OF ORE — THE "UNIT." E. & M. J., vol. 83, p. 964. Notes.

DETERMINATION OF COST OF ORE. T. L. S. M. I., vol. 6, p. 15.

RICHNESS OF COBALT ORES. By A. R. Ledoux. E. & M. J., vol. 83, p. 1111. 1 column.

VALUE OF COBALT ORES. M. & M., vol. 27, p. 491. ½ column.

THE VALUATION OF ROASTED BLENDE WITH REGARD TO ITS SULPHUR CONTENT. By V. Hassreidter. E. & M. J., vol. 83, p. 707. 2½ columns.

VALUE OF THE PRIEST LAKE, IDAHO, ORE. E. & M. J., vol. 82, p. 866. Table.

THE VALUATION OF ZINC ORES — BY SMELTERS. Rept. Zinc Comm., Canada, p. 22. 6 pages.

VALUE OF ARGENTIFEROUS BLENDE. Rept. Zinc Comm., Canada, p. 33. 4 pages.

THE ADJUSTING OF ORES: Mixing and Selecting Material to Secure the Maximum Selling Price. By L. S. Austin. E. & M. J., vol. 83, p. 226. 2½ columns. I.

THE VALUATION OF SHIPPING ORES. By R. G. Brown. Min. & Sci. Press, vol. 93, p. 51. 2½ columns.

ORES: Relation of Metal to Waste Content. Min. & Sci. Press, vol. 93, p. 81. Table.

Value of Ore in Mexico. Min. & Sci. Press, vol. 85, p. 88. 1 column.

Amount, Contents and Value of Ore Sold, Elkhorn Mine, Montana. U. S. G. S., 22d. Ann. Rept. pt. 2, p. 418. Table.

Average Yield of Quartz. Min. & Sci. Press, vol. 54, p. 17. ¾ column.

How Ore is Purchased: Rule. Min. & Sci. Press, vol. 66, p. 37. ⅔ column.

Value of Tailings. Min. & Sci. Press, vol. 48, p. 209. ⅞ column.

Value of a Ton of Ore: How to Find the Gold and Silver Value of a Ton of Ore from Its Assay Button in Grain Weights. Min. & Sci. Press, vol. 71, p. 58, 1 column +; p. 74, Note.

Buying Ore at Boise: Deductions. Min. & Sci. Press, vol. 38, p. 18. ¼ column.

Grade of Joplin Zinc Ore. By W. G. Waring. E. & M. J., vol. 80, p. 303. ⅓ column.

To Find the Value of a Specimen. Min. & Sci. Press, vol. 49, p. 278, 1 column; p. 322, ⅓ column.

Estimating the Value of Quartz Specimens. Min. & Sci. Press, vol. 30, p. 210. ⅓ column.

Calculation of Percentages of Elements in Ore. Min. & Sci. Press, vol. 82, p. 259. ⅓ column.

Ores: Percentage of Metal Contained in Ores of Economic Importance. Mines & Quarries, Rept. of Census Office, 1902, p. 33. Table.

Percentage of Copper in Ores of Different Localities. Min. & Sci. Press, vol. 85, p. 306. Note.

Cost of Production of Copper at Cananea. Min. & Sci. Press, vol. 85, p. 351. Note.

Tricks in Ore Selling. By D. Wallace. E. & M. J., vol. 82, p. 1079. 2½ columns.

Tricks in Ore Buying. E. & M. J., vol. 82, p. 1128. 1½ columns.

Miscellaneous Mineral Occurrence

Some of the Useful Minerals of Norway. E. & M. J., vol. 61, p. 519. ⅓ column.

Some Minerals Found in the Republic of Guatemala. By J. R. Chandler. E. & M. J., vol. 62, p. 130. 1 column.

Minerals Found at Dysartville, North Carolina. E. & M. J., vol. 61, p. 425. 1 column.

The Minerals of the Ottoman Empire. By H. R. Jastrow. E. & M. J., vol. 71, p. 620, 1½ columns; vol. 66, p. 635, 3 columns.

A New Mineral. By N. W. Perry. T. A. I. M. E., vol. 12, p. 628.

Some Queensland Minerals. E. & M. J., vol. 80, p. 1020. 3 columns. I.

The Minerals of Maguarichic. By R. M. Bagg. E. & M. J., vol. 80, p. 2. 3¾ columns. I.

Economic Minerals of the Province of Ontario, Canada. By Wm. H. Merritt. T. F. I. M. E., vol. 10, p. 288. 28 pages. I.

General Description of the Ores Used in the Chattanooga District. By H. S. Fleming. T. A. I. M. E., vol. 15, p. 757.

Sepiolite (A Product of Kaolin and Serpentine Decomposition). By R. Helmhocker. E. & M. J., vol. 62, p. 80. 3 columns.

Note on the Presence of Lithia in Ohio Fire-Clays. By N. W. Lord. T. A. I. M. E., vol. 12, p. 505.

Basic Refractory Materials. By T. Egleston. T. A. I. M. E., vol. 14, p. 455.

Tantalite and Columbite in the Black Hills of Dakota. By W. P. Blake. T. A. I. M. E., vol. 13, p. 696.

Note on Tantalite and Other Minerals, Accompanying the Tin-Ore in the Black Hills. By C. A. Schaeffer. T. A. I. M. E., vol. 13, p. 231.

Calcium Sulphate in Portland Cement. Min. & Sci. Press, Feb. 11, p. 85, 1905.

A New Tin Mineral in the Black Hills. By T. Ulke. T. A. I. M. E., vol. 21, p. 240.

Onyx-Marbles. By C. DeKalb. T. A. I. M. E., vol. 25, p. 557.

Hübnerite in Arizona. By W. P. Blake. T. A. I. M. E., vol. 28, p. 543.

An Occurrence of Limburgite in the Cripple Creek District. By E. A. Stevens. T. A. I. M. E., vol. 30, p. 759.

Amarillium. By W. M. Courtis. T. A. I. M. E., vol. 33, p. 347.

Slates and Sedimentary Rock. M. & M., Oct., 1902, p. 137. 1¼ columns.

Slate for Pigment Use. M. & M., July, 1901, p. 537.

Antimony Ore. M. & M.; Apr., 1904, p. 438.

Limestones and Dolomites. M. & M., Nov., 1902, p. 183. 2 columns.

Tellurium. By E. B. Wilson. M. & M., vol. 28, p. 108. ¾ column.

Monazite (Material for Incandescent Gas-Mantles). E. & M. J., vol. 80, p. 118. 1¼ columns.

Literature Regarding Molybdenite and Its Commercial Products. J. C. M. I., vol. 6, p. 64.

An Aluminum-Ore. By E. Nichols. T. A. I. M. E., vol. 16, p. 905.

Flint, an Ancient Industry. By R. T. Hill. E. & M. J., vol. 76, p. 692. 2 columns.

Fibrous Talc in St. Lawrence County, New York. By J. N. Nevins. E. & M. J., vol. 67, p. 234. 3¾ columns. I.

Bentonite. By T. T. Read. E. & M. J., vol. 76, p. 48, 1¾ columns; vol. 80, p. 626, ¾ column.

Magnesite: Its Use and Value. By C. C. Schnatterbeck. E. & M. J., vol. 76, p. 55. 1 column.

Rare Earths, Production of. Min. & Sci. Press, vol. 93, p. 13. ¾ column.

Uses of Rare Earths. By C. Baskerville. E. & M. J., vol. 80, p. 964, 3 columns; p. 1069, 6 columns.

Tungsten: Its Uses and Value. E. & M. J., vol. 78, p. 750. 1½ columns.

Luminescent Zinc-Blende. E. & M. J., vol. 77, p. 1000. 3 columns.

Radium. E. & M. J., vol. 78, p. 504. 3 columns.

Wolfram in New South Wales. E. & M. J., vol. 80, p. 880. 1⅔ columns.

Measurement and Weight of Ore, Coal and Stone

The Measurement of Ore in Dumps. Min. & Sci. Press, vol. 89, p. 22, 1½ columns. I.

A "Cord" of Ore. Min. & Sci. Press, vol. 86, p. 243. Note.

Pounds for Ton of Montana Copper Ores. Min. & Sci. Press, vol. 91, p. 351. Table.

Weight per Cubic Feet of Different Sizes of Anthracite Coal. E. & M. J., vol. 47, p. 1, ⅓ column; p. 496, 3 columns.

Weight of a Cubic Yard of Crushed Limestone. Eng.-Cont., vol. 27, p. 140. 1½ columns.

Number of Cubic Feet (of Ores) Per Ton. Min. & Sci. Press, vol. 71, p. 320. Table.

Approximate Yield per Ton Broken Ore. Min. & Sci. Press, vol. 71, p. 302. Table.

Homestake Ore — 10 Cubic Feet in Place to the Ton. Min. & Sci. Press, vol. 92, p. 19. Note.

Space Occupied by Different Sizes of Anthracite Coal Per 10 Tons. E. & M. J., vol. 83, p. 722. Note.

Space Occupied by a Ton of Coal. M. & M., vol. 28, p. 195. ¼ column.

Gold and Silver Ores and Minerals

The Daly-Judge Ore, Utah. M. & M., vol. 28, p. 34. ½ column.

Ores of the Montezuma District, Colorado. M. & M., vol. 28, p. 503. ½ column.

Ores of Taviche District, Oaxaca, Mexico. E. & M. J., vol. 84, p. 625. 2 columns.

Low Grade Ores on the Comstock. Min. & Sci. Press, vol. 42, p. 353. 1½ columns.

Ores of the Vulcan Mine, Colorado. By A. Lakes. M. & M., vol. 18, p. 562. 2½ columns. I.

Notes on the Gold Ores of California. Min. & Sci. Press, vol. 69, p. 36. 3 columns.

Ore Grades in the Witwatersrand. Min. & Sci. Press, vol. 87, p. 113. 2½ columns.

How Low-Grade Ores Pay. Min. & Sci. Press, vol. 79, p. 285. ¾ column.

Working Auriferous Silver Ores. Min. & Sci. Press, vol. 39, p. 416. 2 columns.

Minerals Containing Silver. Min. & Sci. Press, vol. 42, p. 328. ½ column.

Artificial Crystals of Gold. Min. & Sci. Press, vol. 38, p. 193. ¾ column.

The Minerals Which Accompany Gold, and Their Bearing Upon the Richness of Ore-Deposits. By T. A. Rickard. T. I. M. & M., vol. 6, p. 194.

Sulphurets and Their Value. Min. & Sci. Press, vol. 13, p. 40. 1½ columns.

Sulphurets. Min. & Sci. Press, vol. 25, p. 210. ⅓ column.

Properties of Gold Sulphide. E. & M. J., vol. 59, p. 555. ⅞ column.

Remarks on a Gold Specimen from Colorado. By G. W. Maynard. T. A. I. M. E., vol. 8, p. 451.

Gold-Quartz. By W. M. Courtis. T. A. I. M. E., vol. 18, p. 639.

Composition of the Ores of Cripple Creek. E. & M. J., vol. 81, p. 1101. Note.

The Telluride Ores of Gold. By R. L. Dunn. Min. & Sci. Press, vol. 38, p. 382, 2½ columns; p. 398, 2⅔ columns; p. 414, 4¼ columns; vol. 39, p. 2, 2 columns.

The Telluride Ores of the Black Hills of South Dakota. Min. & Sci. Press, vol. 78, p. 377. 2 columns.

Telluride Ores: What They Look Like, How They are Treated, and the Minerals and Formations which They Accompany. By A. Lakes. M. & M., vol. 18, p. 369, 3 columns; p. 533, 4½ columns, I.

Tellurides at Kalgoorlie. E. & M. J., vol. 75, p. 814. ⅔ column.

A New Occurrence of the Telluride of Gold and Silver. By A. Eilers. T. A. I. M. E., vol. 1, p. 316.

Telluride Ores. By W. Lindgren. Min. & Sci. Press, vol. 94, p. 472. 1¼ columns.

For further information on Gold and Silver see Occurrence of Gold and Silver.

Copper Ores and Minerals

Copper Oxides and Their Uses. By E. Enequist. E. & M. J., vol. 60, p. 125, ⅔ column; p. 219, ½ column.

Copper Ores and Their Physical Appearance. Min. & Sci. Press, vol. 88, p. 62. 1½ columns.

The Ores of Butte City and Their Treatment. Min. & Sci. Press, vol. 49, p. 214. 2 columns.

Copper vs. Silver: Which Can Be Worked Most Profitably — Costs? Min. & Sci. Press, vol. 38, p. 330. 1 column.

COPPER: Its Ores, Their Appearances, and Values; How They Occur and the Peculiarities to be Noticed. By A. Lakes. M. & M., vol. 19, p. 507, 2 columns; p. 567, 2¼ columns, I.

THE TELLURIDE OF COPPER. By W. E. Ford. E. & M. J., vol. 75, p. 113. 1¼ columns.

THE OCCURRENCE OF COPPER MINERALS IN HEMATITE ORE, MONTANA MINE, SOUDAN, MINNESOTA. T. L. S. M. I., vol. 4, p. 69. 12 pages. I.

NOTE ON THE ORIGIN OF MALACHITE. By E. Hall. E. & M. J., vol. 61, p. 521. 2 columns.

OCCURRENCE OF COPPER GLANCE, NORTH OF LAKE HURON, WITH NOTES ON THE STRUCTURE OF THE LOCALITY. By J. T. B. Ives. T. A. I. M. E., vol. 18, p. 72.

PRESENCE OF TELLURIUM IN COPPER. By T. Egleston. T. A. I. M. E., vol. 10, p. 493.

COPPER CRYSTALLIZATION AT THE COPPER GLANCE AND POTOSI MINE, GRANT COUNTY, NEW MEXICO. By C. H. Snow. T. A. I. M. E., vol. 21, p. 308.

A NEW ORE OF COPPER AND ITS METALLURGY. By T. S. Hunt. T. A. I. M. E., vol. 4, p. 325.

For further information on Copper see OCCURRENCE OF COPPER.

Iron Ores, Minerals and Meteorites

NOTES ON MAGNETITE. By W. B. Phillips. E. & M. J., vol. 60, p. 149, 2 columns; p. 176, 1½ columns; p. 196, 2 columns.

A BRIEF REVIEW OF THE TITANIFEROUS MAGNETITES. By J. F. Kemp. Sch. Mines Quart., vol. 20, p. 323, 34 pages; vol. 21, p. 56, 9 pages.

A STUDY OF THE SPECULAR AND MAGNETIC IRON ORES OF THE NEW RED SANDSTONE IN YORK COUNTY, PENNSYLVANIA. By P. Frazer. T. A. I. M. E., vol. 5, p. 132.

SOME ONTARIO MAGNETITES. By R. W. Raymond. T. A. I. M. E., vol. 19, p. 28; vol. 20, p. 172.

CRYSTALLINE MAGNETITE IN THE PORT HENRY, NEW YORK, MINES. By J. Birkenbine. T. A. I. M. E., vol. 18, p. 747.

CHROME ORE. By M. A. Clouet. Min. & Sci. Press, vol. 75, p. 174. 4½ columns.

QUALITY AND CHARACTER OF THE MESABI IRON ORES. E. & M. J., Jan. 19, 1905, p. 123; Mar. 9, 1905, p. 407.

SOME COMMON IRON ORES. E. & M. J., vol. 68, p. 731. 2½ columns.

CHARACTER OF ORE AT DAVIS PYRITES MINE, MASSACHUSETTS. E. & M. J., vol. 82, p. 724. 1¾ columns.

CHARACTER OF ORE AT LYON, NEW YORK, MAGNETITE MINES. E. & M. J., vol. 82, p. 864. 2 columns.

GRADE OF ORE AT LYON MOUNTAIN MAGNETITE MINES, NEW YORK. E. & M. J., vol. 82, p. 917. Table.

IRON PYRITES AND FIRE ARMS. Min. & Sci. Press, vol. 27, p. 90. ⅓ column.

CHEMICAL CHARACTERISTICS OF LIMONITE (BROWN HEMATITE) IRON ORES. By F. L. Garrison. E. & M. J., vol. 78, p. 258. 2⅔ columns.

THE CLINTON HEMATITE. By E. C. Eckel. E. & M. J., vol. 79, p. 897. 5¾ columns. I.

CLASSIFICATION OF IRON ORE. Rept. Census Office, Mines & Quarries, 1902, p. 407. 3 columns.

IRON ORE IN AMERICA. Engineering, London, vol. 79, p. 59. 1 column.

THE IRON ORE OF SHASTA COUNTY, CALIFORNIA. By D. F. Campbell. Min. & Sci. Press, vol. 93, p. 603. 2 columns. Map.

TITANIUM AND TITANIFEROUS IRON ORES. By N. P. Hulst. T. L. S. M. I., vol. 10, p. 31. 18 pages.

TITANIFEROUS IRON ORES. E. & M. J., vol. 78, p. 501. 5 columns.

The Distribution of Phosphorous in the Ludington Mine, Iron Mountain, Michigan. By D. H. Browne. T. A. I. M. E., vol. 17, p. 616.

Iron Meteorites. E. & M. J., vol. 50, p. 654. ½ column.

Meteorite from Gloritta Mountains, Santa Fé County, New Mexico. By G. F. Kunz. E. & M. J., vol. 44, p. 20. 1 column. I.

For further information on Iron see Occurrence of Iron.

Lead and Zinc Ores

Grade of Broken-Hill Lead Ores. E. & M. J., vol. 76, p. 737. Note.

Auriferous Galena. By J. N. Nevius. E. & M. J., vol. 80, p. 769. 1 column.

Composition of Southeastern Missouri Lead Ores. E. & M. J., vol. 73, p. 582. ⅓ column.

Lead and Zinc Ores: The Manner of Their Occurrence and Their Geological Relation to the Coal Area of Missouri. By E. Hedburg. M. & M., vol. 18, p. 289, 3⅔ columns, I.; p. 392, 5¼ columns, I.; p. 481, 5½ columns, I.

Zinc and Lead Sulphide of Broken Hill, Australia. By W. Burrell. M. & M., vol. 27, p. 147. 2 columns.

The Nomenclature of Zinc-Ores. By W. R. Ingalls. T. A. I. M. E., vol. 25, pp. 17, 959.

Zinc Ores vs. Franklinite Ore. E. & M. J., vol. 58, p. 4. ⅔ column.

For further information on Lead and Zinc see Occurrence of Lead and Zinc.

Nickel Ores and Minerals

Microscopic Examination of Nickeliferous Pyrrhotites. By W. Campbell & C. W. Knight. E. & M. J., vol. 82, p. 909. 10 columns +. I.

Principal Localities of Nickel Ore in America. Min. & Sci. Press, vol. 48, p. 258. 2⅓ columns.

Some New Nickel Minerals. By S. H. Emmens. E. & M. J., vol. 54, p. 609. ½ column.

Note on the Condition of Nickel in Nickeliferous Pyrrhotite from Sudbury. By C. W. Dixon. E. & M. J., vol. 73, p. 660. 1 column.

The Mispickel Gold Ores of Deloro, Ontario. By J. W. Wells. T. F. C. M. I., vol. 2, p. 127. 7 pages.

A Crystalline Sub-Sulphide of Iron and Nickel. By J. B. Mackintosh. T. A. I. M. E., vol. 16, p. 117.

For further information on Nickel see Occurrence of Nickel.

Salt, Quicksilver, Radium, Sulphur, Asbestos, Amber, Phosphates, etc.

Salt. By F. E. Engelhardt. Am. Jour. Min., vol. 1, p. 121, 1½ columns; p. 137, 1¼ columns; p. 153, 1 column +; p. 169, 1⅔ columns, I.; p. 185, 1¼ columns; p. 217, 1½ columns; p. 233, 2 columns; p. 249, 1¼ columns; p. 266, 1 column; p. 278, 2 columns, I.; p. 294, 1½ columns; p. 342, 2 columns, I.; p. 358, 2 columns; p. 377, 2 columns.

Salt, Manufacture of. Min. & Sci. Press, vol. 61, pp. 255, 273, 289. I.

California Quicksilver Ores. Min. & Sci. Press, vol. 53, p. 33. ¾ column.

Mercurial Minerals and Their Associates. Min. & Sci. Press, vol. 59, p. 298, 4⅔ columns; p. 318, 5 columns.

Radium and Other Radioactive Substances: A Description of the New Elements and Their Properties. M. & M., Sept., 1903, p. 75. 3 columns.

Radio-Active Minerals. By R. W. Brock. E. & M. J., vol. 77, p. 887. 4 columns. I.

Radium Ores in Utah. By Don Maguire. Min. & Sci. Press, vol. 88, p. 243. 1 column.

Amorphous Sulphur. By A. Smith and W. B. Holmes. E. & M. J., vol. 80, p. 543. 2 columns.

Sulphur: The Amount Consumed in the United States, Where It is Produced and the Methods of Reducing the Ores. By E. W. Parker. M. & M., vol. 21, p. 293. 4 columns.

The Extraction of Sulphur. Min. & Sci. Press, vol. 48, p. 350. 2 columns.

Notes on the Saving of Sulphur and Ammonia from Gas. By W. H. Adams. T. A. I. M. E., vol. 15, p. 663.

Asbestos: Different Varieties and Their Characteristics; Methods of Milling and Preparing. By E. B. Wilson. M. & M., vol. 25, p. 54. 2 columns. I.

Asbestos in Different Languages. E. & M. J., vol. 78, p. 620. Note.

Notes on Blue Asbestos. By H. F. Olds. T. I. M. & M., vol. 7, p. 122. 2 pages.

Notes on Blue Asbestos. By H. F. Olds. E. & M. J., vol. 67, p. 528. ½ column.

Amber in Japan. T. A. I. M. E., vol. 5, p. 265.

Amber-Trade and Uses of. E. & M. J., vol. 76, p. 783. ½ column.

Amber: Fossil Pitch. Min. & Sci. Press, vol. 31, p. 294. 1 column.

A List of Minerals Containing at Least 1 Per Cent of Phosphoric Acid. By W. B. Phillips. T. A. I. M. E., vol. 21, p. 188.

Florida vs. Polynesian Phosphate. M. & M., Jan., 1903, p. 268. ⅛ column.

Laurentian Low-Grade Phosphate-Ores. By J. Stewart. T. A. I. M. E., vol. 21, p. 176.

List of Commercial Phosphates. By W. H. Adams. T. A. I. M. E., vol. 18, p. 649.

Cobalt. M. & M., Sept., 1904, p. 69.

Grades of Ores at Cobalt, Canada. E. & M. J., vol. 83, pp. 97, 138.

For further information on these Minerals see Geology, Mineral and Fossil Fuel Deposits.

Mica and Its Occurrence

Notes on the Occurrences, Production and Uses of Mica. By E. T. Corkill. J. C. M. I., vol. 7, p. 284. 24 pages. I.

Mica: Occurrences and Uses. Min. & Sci. Press, vol. 90, p. 68. 5⅓ columns. I.

Mica and Mica Mines. By C. Hanford Henderson. E. & M. J., vol. 55, p. 4. 1⅔ column.

Mica. By P. Thompson. E. & M. J., vol. 80, p. 828. 4 columns.

Mica: Its Uses and Value. By C. C. Schnatterbeck. E. & M. J., vol. 75, p. 484. 2 columns.

Mica in Brazil: Its Varieties, Their Uses, and a Description of the Deposits and Mines. By H. Kilburn. M. & M., Aug., 1903, p. 34.

For further information see Occurrence of Mica.

Graphite

Graphite. By J. A. Walker. E. & M. J., vol. 41, p. 286. 2 columns.

Notes on Graphite, Its Occurrences, Uses and Production. By G. C. Bateman. J. C. M. I., vol. 8, p. 343. 6 pages.

Plumbago–Graphite. By L. Feuchtwanger. E. & M. J., vol. 6, p. 345. 3 columns.

The Formation of Graphite. By E. Weinschenk. E. & M. J., vol. 75, p. 822. ¾ column.

Artificial Graphite. By F. A. J. Fitzgerald. E. & M. J., vol. 73, p. 310. 2 columns.

The Origin of Graphite. Sch. Mines Quart., vol. 8, p. 334. 1¼ pages.

GRAPHITE. E. & M. J., vol. 36, p. 184. 3 columns.

THE MANUFACTURE OF GRAPHITE. By E. G. Acheson. E. & M. J., vol. 68, p. 10. 1½ columns.

For further information on graphite see OCCURRENCE OF GRAPHITE.

Corundum, Carborundum, etc.

CORUNDUM AND EMERY. By T. M. Chatard. U. S. G. S., Mineral Resources for 1883–84, pp. 714–720. 1885.

THE ANALYSIS OF CORUNDUM AND CORUNDUM ROCK. By W. L. Goodwin. J. C. M. I., vol. 4, p. 180. 4 pages.

CORUNDUM OF THE APPALACHIAN CRYSTALLINE BELT. By J. V. Lewis. T. A. I. M. E., vol. 25, p. 852.

CORUNDUM IN ONTARIO. By A. Blue. T. A. I. M. E., vol. 28, pp. 565, 875.

CARBORUNDUM. By W. P. Blake. E. & M. J., vol. 56, p. 270, 1½ columns; p. 320, 1¼ columns, I.

CARBORUNDUM: Its History, Physical Properties and Chemistry. By J. A. Mathews. Sch. Mines Quart., vol. 16, p. 73. 6 pages.

NEW CARBORUNDUM PRODUCTS. E. & M. J., Mar. 23, 1905, p. 565. 1 column.

CARBORUNDUM. M. & M., Jan., 1902, p. 245. Note.

CARBORUNDUM. M. & M., July, 1902, p. 558. ½ column.

GARNET AS AN ABRASIVE MATERIAL. By F. C. Hooper. Sch. Mines Quart., vol. 16, p. 124. 4 pages. I.

Asphaltum Compounds

ASPHALT AND ITS USES. By F. V. Greene. T. A. I. M. E., vol. 17, p. 355.

LITERATURE ON OZOKERITE. Sch. Mines Quart., vol. 16, p. 62. 7 pages.

A TREATISE ON OZOKERITE. By E. B. Gosling. Sch. Mines Quart., vol. 16, p. 41. 26 pages.

OZOKERITE. E. & M. J., vol. 79, p. 707. Note.

NOTE ON A SPECIMEN OF GILSONITE FROM UINTA COUNTY, UTAH. By R. W. Raymond. T. A. I. M. E., vol. 17, p. 113.

GILSONITE OR UINTAHITE: A New Variety of Asphaltum from Uinta Mountains, Utah. By J. M. Locek. T. A. I. M. E., vol. 16, p. 162.

UINTAHITE, ALBERTITE, GRAHAMITE AND ASPHALTUM DESCRIBED AND COMPARED, WITH OBSERVATIONS ON BITUMEN AND ITS COMPOUNDS. By W. P. Blake. T. A. I. M. E., vol. 18, p. 563.

WURTZILITE FROM THE UINTA MOUNTAINS. By W. P. Blake. T. A. I. M. E., vol. 18, p. 497.

HYDROCARBONS, ALONG THE NEW MOFFAT RAILROAD: Description of the Extensive Deposits of Gilsonite, Elaterite, Ozokerite, etc. By W. Weston. M. & M., Mar. 1904, p. 377. 3 columns.

For further information on Asphalts see OCCURRENCE OF ASPHALTS.

Origin, Properties, and Occurrence of Diamonds

GENESIS OF THE DIAMOND. P. C. M. & M. Soc., S. A., vol. 5, p. 218. ¾ column.

ORIGIN OF DIAMONDS. E. & M. J., vol. 10, p. 361. ½ column; vol. 78, p. 750. ½ column.

THE GENESIS AND MATRIX OF THE DIAMOND. By C. E. de Rance. T. I. M. E., vol. 17, p. 604. 4 pages.

THE GENESIS OF THE DIAMOND. By G. F. Williams. T. A. I. M. E., vol. 35, p. 440. 14 pages. I.

ARTIFICIAL DIAMONDS. E. & M. J., vol. 55, p. 317. Note.

THE GEOLOGY OF DIAMONDS. M. & M., vol. 28, p. 409. 2 columns.

ARTIFICIAL PRODUCTION OF DIAMOND IN SILICATES. T. I. M. & M., vol. 12, p. 125. 3 pages.

DE BEERS CONSOLIDATED MINES. Diamond Mines of South Africa, pp. 315, 316, 322.

DIAMONDS IN: Borneo, pp. 144, 524; Brazil, pp. 140–144, 523, 524; British Guiana, p. 525; India, pp. 1, 16–21, 140, 524; N. S. Wales, p. 524; South Africa, p. 119; Orange River, p. 119; Vaal River, p. 122, Diamond Mines of South Africa.

THE CULLINAN DIAMOND. By G. A. F. Molengraaff. T. I. M. E., vol. 29, p. 507. 2 pages. I.

THE OCCURRENCE OF DIAMONDS IN THE DRIFT OF SOME OF THE NORTHERN STATES. By Robt. Bell. E. & M. J., vol. 82, p. 819. 2 columns +.

DIAMONDS IN THE HYDRAULIC WASHINGS OF CALIFORNIA. Min. & Sci. Press, vol. 26, p. 250, ⅔ column; vol. 27, p. 40, ½ column.

THE MAMMOTH DIAMOND. Min. & Sci. Press, vol. 90, p. 139. 2½ columns.

THE WORLD'S FAMOUS DIAMONDS. E. & M. J., vol. 81, p. 1033. ¼ columns.

CARBONANDO: Black Diamonds. By J. Baszanger. E. & M. J., vol. 81, p. 857. 1½ columns. I.

THE GREAT DIAMOND. E. & M. J., Mar. 23, 1905, p. 554. 3 columns. I.

THE DIAMOND. Min. & Sci. Press, vol. 25, p. 89. 2¼ columns. I.

ARE THERE DIAMONDS IN ONTARIO? By A. Blue. J. C. M. I., vol. 3, p. 149. 11 pages.

THE LARGEST DIAMOND EVER FOUND. E. & M. J., vol. 60, p. 323. ½ column. I.

THE DIAMOND IN THE CAÑON DIABLO METEORIC IRON. By G. F. Kunz and O. W. Huntington. E. & M. J., vol. 57, p. 394. 1 column.

NOTES ON A REMARKABLE COLLECTION OF ROUGH DIAMONDS. By G. F. Kunz. E. & M. J., vol. 42, p. 202. 3⅔ columns. I.

CHINESE DIAMONDS. M. & M., July, 1903, p. 552.

ARTIFICIAL DIAMONDS. Min. & Sci. Press, vol. 93, p. 113. ⅓ column.

BORT: Character, when Found, Uses, etc. E. & M. J., vol. 77, p. 594. 1 column.

CRUSHING TESTS OF DIAMONDS USED IN DRILLING. By A. N. Mitinsky. E. & M. J., vol. 80, p. 1120. 1¾ columns.

PROPERTIES OF DIAMONDS. Diamond Mines of South Africa, pp. 2, 3, 6, 486, 487.

BLUE GROUND: Origin of Name. Diamond Mines of South Africa, pp. 199, 365–367.

YELLOW GROUND. Diamond Mines of South Africa, pp. 169–171, 198, 199, 220, 250, 251, 347, 349.

DIAMONDS, WHERE THEY OCCUR AND HOW TO SEARCH FOR THEM. By M. Attwood. E. & M. J., vol. 62, p. 152. 1 column.

"DIAMONDS" Lecture by Sir Wm. Crooke. The Times (London), Wed., Sept. 6, 1905. 3½ columns.

Recently Sir William Crookes lectured twice at Kimberley, South Africa, on the making of artificial diamonds. The lectures cost $3000, for they included elaborate experiments.

THE MINING OF DIAMONDS. Min. & Sci. Press, vol. 86, p. 412. 1½ columns.

For further information on diamonds see OCCURRENCE OF DIAMONDS.

Gems and Precious Stones

GEMS AND PRECIOUS STONES. Min. & Sci. Press, vol. 32, p. 137, 2 columns; p. 153, 1¼ columns; p. 172, 1 column; p. 188, ½ column; p. 201, 1½ columns; p. 217, 1½ columns; p. 249, 2 columns; p. 265, 1¼ columns, I.; p. 280, 1 column; pp. 296, 316, 329, 337, 360, 376, 392; vol. 33, pp. 36, 52, 74, 96, 106, 145, 158, 176, 196, 208, 228, 233, 256, 272, 340.

PRECIOUS STONES: Pacific Coast. By D. Maguire. M. & M., vol. 20, p. 255. 3¾ columns.

GEMS AND PRECIOUS STONES. By G. F. Kunz. E. & M. J., vol. 44. p. 365. 2¾ columns. I.

PRECIOUS STONES OF THE PHILIPPINES. E. & M. J., vol. 78, p. 913. 1 column.

PRECIOUS STONES AND GEM MATERIALS OF THE PACIFIC COAST STATES AND TERRITORIES OF THE UNITED STATES. By Don Maguire. M. & M., vol. 20, p. 222, 3½ columns; p. 255, 2¾ columns.

AMERICAN TASTE FOR DIAMONDS. E. & M. J., vol. 76, p. 351. Note.

PRECIOUS STONES. By H. T. Vulti. Sch. Mines Quart., vol. 2, p. 58. 14 pages.

OPALS IN NEW SOUTH WALES. E. & M. J., vol. 61, p. 258. ⅓ column.

RUBIES. E. & M. J., vol. 62, p. 558. ⅓ column.

NOTE ON ZIRCONS IN UNAKA-MAGNETITE. By W. P. Blake. T. A. I. M. E., vol. 7, p. 76.

DIAMONDS IN WISCONSIN. E. & M. J., vol. 50, p. 686. ⅔ column.

THE PROBABLE EXISTENCE OF MICROSCOPIC DIAMONDS WITH ZIRCONS AND TOPAZ, IN THE SANDS OF HYDRAULIC WASHINGS IN CALIFORNIA. By B. Silliman. T. A. I. M. E., vol. 1, p. 371.

BOHEMIAN GARNETS. By G. F. Kunz. T. A. I. M. E., vol. 21, p. 241.

HOW TO IDENTIFY PRECIOUS STONES. By L. Claremont. E. & M. J., vol. 66, p. 606. 1½ columns.

For further information on precious stones see OCCURRENCE OF ONYX, SAPPHIRE, EMERALDS, ETC.

MINE AND MILL CONSTRUCTIONS

Design of Structures: Materials and Methods of Construction

THE TESTING OF BUILDING STONE. By E. C. Eckel. E. & M. J., vol. 75, p. 931. 3⅘ columns.

THE TESTS AND REQUIREMENTS OF STRUCTURAL WROUGHT-IRON AND STEEL. By A. E. Hunt. T. A. I. M. E., vol. 20, p. 677.

PRACTICAL STRENGTH OF COLUMNS OR STRUTS OF WROUGHT IRON AND MILD STEEL. By J. M. Moncrieff. Engineering, London, vol. 73, pp. 731, 777, 823. I.

ON FLINT'S INVESTIGATION OF THE NICARAGUAN WOODS (Tests). By R. H. Thurston. Sch. Mines Quart., vol. 9, p. 6. 26 pages.

STAFF: Material for Temporary Structures. E. & M. J., vol. 77, p. 317. ¼ column.

HOLLOW BRICK FOR MILL-BUILDING CONSTRUCTIONS. E. & M. J., vol. 77, p. 514. 1½ columns.

TILE VS. BRICK FOR MINE BUILDINGS, FACTS REGARDING COST AND ADAPTABILITY OF TILE FOR PURPOSES FOR WHICH BRICK IS COMMONLY USED. By W. L. Affelder. M. & M., vol. 26, p. 127. 2½ columns. I.

GLASS BRICKS. E. & M. J., vol. 79, p. 937. 1 column.

I-BEAM BUCKSTAYS. By J. H. Granbery. E. & M. J., vol. 80, p. 487. 1 column. I.

"Sun-Checks" in Timber, a Remedy. E. & M. J., vol. 80, p. 255. Note.

Hints on Structural Work. By J. H. Granbery. E. & M. J., vol. 81, p. 807. 1 column.

Flanging Steel Plates Cold. E. & M. J., vol. 35, p. 149. ⅔ column.

The Applications of Zinc (Sheet) for Roofing and Other Purposes. By W. H. Seamon. E. & M. J., vol. 62, p. 389, 3¼ columns; p. 413, 3 columns, I.; p. 437, 4½ columns, I.; p. 461, 2⅔ columns, I.

The Manufacture of Roofing Slate. E. & M. J., vol. 65, p. 368. ¾ column.

The Decay of Metals. Engineering, London, vol. 75, p. 561. 2 columns.

The Efficiency of the Built Wooden Beams. Engineering, London, vol. 66, p. 221. 2¾ columns. I.

Brittleness Produced in Soft Steel by Annealing. By J. E. Stead. Engineering, London, vol. 66, p. 404. 9 columns. I.

Formulæ for Computing Transverse Strength of Brick or Building Stone. E. & M. J., vol. 72, p. 394–395. Note. I.

The Calculation of the Weight of Castings with the Aid of the Planimeter. By C. M. Schwerin. T. A. I. M. E., vol. 33, p. 142.

Calculations Preceding Sinking: Output per Day Required; Load per Wind; Dimensions of Tub or Car; Size of Cage; Number of Decks. Mech. Eng. Coll., vol. 1, p. 87. 6 pages.

Machine Designing on Paper and Drawing Board. E. & M. J., vol. 79, p. 848.

Design of Pins and Joint Details. Sch. Mines Quart., vol. 25, p. 376.

The Tendency in Machine Design. Engineering, London, vol. 74, p. 314. 2 columns.

The Art of Mechanical Design. Min. & Sci. Press, vol. 36, p. 265, 1¾ columns, I.; p. 281, ¾ column.

Teaching Machine Design. By J. H. Barr. Soc. P. E. E., vol. 2, p. 236.

Mistakes in the Design of Mining and Reduction Plants. By S. A. Worchester. Min. & Sci. Press, vol. 94, p. 149. 3½ columns.

Haswell and Whitworth's Steel Forgings. By T. Egleston. Sch. Mines Quart., vol. 6, p. 216. 8 pages.

Concentrated Rolling Loads. By R. W. Hildreth. Sch. Mines Quart., vol. 8, p. 317. 12 pages.

Table Showing Distribution of Loads of Traveling Cranes on Buildings. Mill Building Construction, p. 7. Table.

Loads in Mill Building Construction: Roof Loads; Floor Loads; Crane Loads; Snow and Wind Loads; Mill Building Construction, p. 3. 5 pages. Ds.

Normal Pressures from Wind on Roofs of Different Slopes for Wind Pressure of 30 Pounds Per Square Foot. Mill Building Construction, p. 7. Table.

Mechanics: Quiescent and Live Loads. M. & M., Jan., 1903, p. 286.

Deflection of Girders. By W. S. Ayres. T. A. I. M. E., vol. 5, p. 53.

Influence Lines for Suspended Cantilevers. By M. S. Falk. Sch. Mines Quart., vol. 28, p. 362. 13½ pages. I.

Internal Strains in Iron and Steel. By H. D. Hibbard. E. & M. J., vol. 484. 1 column +.

The Strength and Resilience of Cast Iron. By J. B. Johnson. E. & M. J., vol. 58, p. 173. 1½ columns.

Weight as a Test of Strength in Timber. E. & M. J., vol. 51, p. 471. ⅓ column.

Strength of Timber. E. & M. J., vol. 80, p. 147. ½ column.

ALLOWANCE SHOULD BE MADE FOR ELONGATION IN LONG STEEL STRUCTURES DUE TO CHANGE IN TEMPERATURE FOR A DIFFERENCE OF 125° F. THE CHANGE IN LENGTH IS APPROXIMATELY 1 INCH IN 100 FEET. E. & M. J., vol. 80, p. 548. Note.

THE TORSIONAL THEORY OF JOINTS. By G. F. Becker. T. A. I. M. E., vol. 24, pp. 130, 863.

BENDING MOMENTS OF SIMPLE BEAMS DUE TO WHEEL LOADS. By T. S. Brereton. Sch. Mines Quart., vol. 20, p. 168. 11 pages. I.

DESIGN OF WOODEN TRESTLES. R. R. Construction, Webb, p. 169. 9 pages. I.

DETAILS OF CONSTRUCTION OF MOVABLE INCLINED TRESTLES. Engineering, London, vol. 63, p. 434. I.

TIMBER BRIDGES AND VIADUCTS: Construction of, with Methods of Calculation. By M. W. Davies. T. F. I. M. E., vol. 8, p. 128. 4 pages.

FACTOR-OF-SAFETY. T. A. I. M. E., vol. 21, p. 391.

MACHINERY BEARINGS. By J. Dewrance. J. W. Soc. E., vol. 1, p. 821. 10 pages. I.

FRICTION. Min. & Sci. Press, vol. 84, p. 191. 3 columns.

THE PLANIMETER. By E. L. Ingram. Sch. Mines Quart., vol. 6, p. 347. 4 pages. I.

CONTENTS OF HORIZONTAL CYLINDRICAL VESSELS CONTAINING LIQUIDS TO A GIVEN DEPTH. M. & M., vol. 25, p. 617, 1¼ columns. Table.

BILLS OF MATERIAL AND COSTS PER RUNNING FOOT FOR BRIDGES AND VIADUCTS OF TIMBER. T. F. I. M. E., vol. 8, pp. 131, 133, 137, 142.

LUMP-SUM VS. POUND-PRICE CONTRACTS FOR STEELWORK. E. & M. J., vol. 80, p. 594. 2 columns.

WIND PRESSURES. M. & M., May, 1901, p. 455.

FORCE OF WIND IN POUNDS AND EQUIVALENT VELOCITIES IN MILES PER HOUR. Smithsonian Contributions to Knowledge, vol. 13, p. 39. Table.

SPECIFICATIONS FOR LATERAL AND WIND BRACING. Sch. Mines Quart., vol. 25, p. 368. 1 page.

THE TREATMENT FOR WIND PRESSURE IN MILL CONSTRUCTION. By J. L. Greenleaf. Sch. Mines Quart., vol. 17, p. 236. 30 pages. I.

EFFECT OF WIND ON ROOFS. By T. Nielsen. Engineering, London, vol. 76, p. 508, 6 columns, I.; p. 540, 1 column; p. 606, ⅔ column; vol. 77, p. 297, 1 column, I.

THE PROBLEM OF GRAIN PRESSURE. By W. Airy. Engineering, London, vol. 79, p. 1. 4 columns.

RESEARCHES ON WIND-PRESSURE. Engineering, London, vol. 79, p. 258. ½ column. I.

DETERMINING SIZE OF RIVETS. Min. & Sci. Press, vol. 87, p. 128. Note.

FOR RIVETING (Spacing, etc.). M. & M., vol. 20, p. 294.

EFFECTS OF SPLICING AND RIVETING. By G. S. Morsin. J. W. Soc. E., vol. 6, p. 245. 22 pages. I.

THE STRENGTH OF RIVETED JOINTS. Min. & Sci. Press, vol. 34, p. 227. ¾ column.

RIVETING: Rate of Working Especially for Boilers. Min. & Sci. Press, vol. 44, p. 411. ¼ column.

A DEVICE FOR FIELD RIVETING. Eng.-Cont., vol. 27, p. 137. ½ column. I.

THE NEED OF STANDARDIZATION. By R. M. Catlin. E. & M. J., vol. 78, p. 466. 1½ columns.

STANDARD SPECIFICATIONS FOR STRUCTURAL STEEL. E. & M. J., vol. 62, p. 99. 2 columns.

SPECIFICATIONS FOR CAST-IRON COATED WATER-PIPE. By T. W. Yardley. T. A. I. M. E., vol. 18, p. 661.

THE MANAGEMENT OF STRUCTURAL STEEL. By A. F. Hill. T. A. I. M. E., vol. 11, p. 248.

The Making of Specifications for Structural Materials. By C. B. Dudley. T. A. I. M. E., vol. **21**, p. 379.

Iron and Steel Considered as Structural Materials. T. A. I. M. E., vol. 10, p. 361.

Chemical Specifications for Pig-Iron. By E. S. Cook. T. A. I. M. E., vol. 35, p. 175, 9 pages; p. 986, 10 pages.

The Standardization of Specifications for Iron and Steel: Recent Progress in America and England. By W. R. Webster and E. Marburg. T. A. I. M. E., vol. 35, p. 157. 6 pages.

Standard Specifications for Pig-Iron and Iron Products. T. A. I. M. E., vol. 35, pp. 162, 182, 185. 12 pages. I.

Standard Specifications for Cast-Iron Pipe. By W. Wood. T. A. I. M. E., vol. 35, p. 187. 2 pages.

Notes on the Physics of Cast-Iron. By R. Moldenke. T. A. I. M. E., vol. 35, p. 149. 8 pages.

The Strength of Wrought Iron as Affected by its Composition and by its Reduction in Rolling. By A. L. Holley. T. A. I. M. E., vol. 6, p. 101.

The Inspection of the Materials of Engineering. By P. S. Hildreth. Columbia Eng., 1897–98, p. 146. 10 pages. I.

The Inspection of Materials of Construction in the United States. By Geo. H. Clapp and A. E. Hunt. T. A. I. M. E., vol. 19, p. 911.

Mine Buildings, Shops, etc.

Surface Arrangements of Collieries. Mech. Eng. Coll., vol. 1, p. 80. 6 pages.

Engineering Ideals and Engineering Expedients. By C. C. Vermeule. Columbia Eng., 1898–99, p. 70. 12 pages. I.

General Design of Mill Buildings. Mill Building Construction, p. 8. 8 pages. I.

Lecture on Coal and Coke Plants. By W. C. Williamson. T. N. S. I. M. & M. E., vol. 4, p. 151. 17 pages.

Stamp Mill Construction. By J. J. Deming. Min. & Sci. Press, vol. 85, p. 188. 4 columns.

Some Points in Mill Construction: Construction of Ore-Bins, Traveling Cranes, etc. E. & M. J., vol. 54, p. 607. ½ column.

Mill Construction, Showing Method of Placing Posts, Beams and Braces. E. & M. J., vol. 54, p. 103. I.

Notes on Mill Construction, Milling and Amalgamation. By I. Roskelley. J. C. & M. Soc. S. A., vol. 4, p. 405, 67 pages, I.; vol. 5, p. 49, 8 pages.

Mill Building Construction with Details from Practice. P. E. Soc. W. Pa., vol. 8, p. 247. 33 pages.

Wood Mill Building Construction, etc. By A. E. Duckham. P. E. Soc. W. Pa., vol. 20, p. 590. 2½ pages.

General Plan of Dressing Works. Min. & Sci. Press, vol. 34, p. 233. ½ column.

Coking Plant of the Durham Coal and Coke Company, Situated on Lookout Mountain, Dode and Walker Counties, Georgia. By A. W. Evans. M. & M., vol. 21, p. 49. 4 columns. I.

Coketon Power Plant. By J. F. Healey. M. & M., Jan., 1902, p. 246. ¾ column.

The New No. 3 Coke Plant of the Oliver and Snyder Steel Company: A Description of the Layout and Equipment of a Complete Modern Plant. M. & M., Sept., 1904, p. 74. 6 columns. I.

The New Coke Plant of the Eureka Fuel Company in the Klondike Region, Pennsylvania: A Complete Modern Plant. By J. P. Brennen. M. & M., Apr., 1901, p. 385. 6½ columns.

Welsh Coke Ovens: A Description of a Form of Oven Used in W. Virginia in Place of Beehive Ovens. M. & M., vol. 21, p. 11. 1 column. I.

Coke Oven Construction. By W. M. Judd. P. E. Soc. W. Pa., vol. 22, p. 327. 29½ pages. I.

Construction of an Iron Coal Breaker with Bill of Materials. T. A. I. M. E., vol. 19, p. 444.

Construction of Cranberry Coal Breaker. T. A. I. M. E., vol. 28, p. 296. I.

A Modern Colliery Stable. By F. W. Parsons. E. & M. J., vol. 81, p. 745. 1¾ columns.

Additions to the Power-Plant of the Standard Consolidated Mining Company. By R. G. Brown. T. A. I. M. E., vol. 26, pp. 319, 1071.

The Protection of Iron and Steel. E. & M. J., vol. 76, p. 358. 1¼ columns.

Preservative Points for Iron Chemically Considered. Engineering, London, vol. 67, p. 238. 5½ columns.

Specifications for Painting Steel Structural Work. Engineering, London, vol. 76, p. 542. ¾ column.

Slow-Burning Mill Construction. E. & M. J., vol. 51, p. 402. 3 columns.

The Fire Risks of Temporary Structures. Engineering, London, vol. 79, p. 220. 4 columns. I.

Designing High Building: Live load; Wind load; Wind-bracing. P. E. Soc. W. Pa., vol. 18, p. 208. 9 pages. I.

Standard Storehouse Construction. E. & M. J., vol. 52, p. 358. 2 columns. I.

Steel Constructions for Mines. By J. F. Jackson. T. L. S. M. I., vol. 7, p. 32. 14 pages.

The Ohio Steel Company's Building. E. & M. J., vol. 58, p. 175. 1 column. I.

The Mine Machine Shop. By J. F. Jackson. T. L. S. M. I., vol. 8, p. 89. 4 pages. I.

Method of Constructing a Large Shop Building with Reinforced Concrete Walls and Steel Trusses. By F. W. Daggett. Eng.-Cont., vol. 27, p. 88. 9 columns. I.

Mine Buildings: Old and New. How, at Very Little Expense, They May be Made Neat and Comfortable inside and Attractive outside. By Matt W. Alderson. M. & M., Dec., 1903, p. 227.

Modified Form of Saw-Toothed Roof-Steel Construction. Machinery, vol. 12, p. 525. ½ column. I.

Notes on Roofs and Roof Coverings. E. & M. J., vol. 76, p. 356. 3 columns.

Floor Construction in Mill Buildings. Mill Building Construction, p. 17. 4 pages. I.

Roof Coverings for Mill Buildings. Mill Building Construction, p. 22. 9 pages. I.

Details of Miscellaneous Parts of Mill Building Constructions. Mill Building Construction, p. 31. 10 pages. I.

Size of Wall Bolts (pp. 31, 32), Sizes of Door Materials (p. 32), Hinges (p. 34), Ventilators (p. 34), Gutters and Down Spouts (p. 40). Mill Building Construction.

Least Pitch of Roof Required for Various Kinds of Roof Coverings. Mill Building Construction, p. 11. Table.

Saw-Toothed Roof Construction. E. & M. J., vol. 81, p. 223. 2 columns. I.

STEEL ROOFS FOR MILL BUILDINGS. E. & M. J., vol. 64, p. 609. ½ column.

THE SNOW SHEDS OF THE CANADIAN PACIFIC RAILROAD. E. & M. J., vol. 47, p. 212. 3⅔ columns. I.

AN UNDERGROUND MAGAZINE AND AN ELECTRIC POWDER THAWER. By W. Kelly. E. & M. J., vol. 80, p. 291. 3⅔ columns. I.

STEEL FRAMEWORK FOR HIGH BUILDINGS. By C. Worthington. P. E. Soc. W. Pa., vol. 18, p. 208. 9 pages. I.

A MODEL TRAMWAY AND SAMPLER. By J. H. Steele. E. & M. J., vol. 72, p. 596. 5 columns. I.

Headframes: Wood and Metal; Design

SIMPLE HEAD-FRAME CONSTRUCTION: Substructure. Min. & Sci. Press, vol. 88, p. 94. 2 columns. I.

THE RATIONAL DESIGN OF HEAD-FRAMES. Min. & Sci. Press, vol. 90, p. 407, ¾ column; p. 409, 1 column, I.; p. 374, 3½ columns, I.; vol. 91, p. 4, ½ column.

SOME TYPES OF HEAD-FRAMES. Min. & Sci. Press, vol. 91, p. 410, 2 columns, I.; p. 445, 1 column.

HEAD-FRAMES: Theory and Practice. By W. R. Crane. M. & M., vol. 26, p. 396. 13 columns. I.

TABULATED DATA ON HEAD-FRAMES IN USE IN VARIOUS PARTS OF THE WORLD. M. & M., vol. 26, p. 400. Table.

HEAD-FRAMES: England. E. & M. J., vol. 24, p. 46. ¼ column.

HEAD-FRAME CONSTRUCTION. The Witwatersrand Gold Fields, Chap. 10, p. 237. 10 pages.

PIT-HEAD FRAMES. P. C. M., vol. 3, p. 80. 5 pages. I.

A CRIPPLE CREEK HEAD-FRAME. E. & M. J., vol. 84, p. 353. ½ column. I.

HEADGEARS OF RAND MINES. Gold Mines of the Rand, p. 139. 3 pages.

MAKING A WHIP-HOIST. By M. W. Alderson. Min. & Sci. Press, vol. 92, p. 238. ¾ column. I.

A HEAD-FRAME FOR A PROSPECT SHAFT. By C. A. Weck. M. & M., Aug., 1904, p. 15. ⅓ column. I.

A HEAD-FRAME USED IN SINKING. M. & M., Mar., 1905, p. 409. ½ column. I.

HEAD-FRAMES AND HOISTS IN THE JOPLIN DISTRICT. By W. R. Crane. Min. Mag., Oct.–Nov., 1904, p. 253. 22 columns. I.

HEAD-WORKS FRAMING (Head-Frame). Min. & Sci. Press, vol. 86, p. 335, 1¾ columns, I.; p. 380, 2⅔ columns. I.

AN ELDORADO COUNTY, COLORADO, HEAD-FRAME. By C. H. Wildman. Min. & Sci. Press, vol. 85, p. 309. 2 columns. I.

NEW STYLE GALLOWS FRAME. Min. & Sci. Press, vol. 74, p. 369. ½ column. I.

SLOPE HEAD-FRAME, GOOD HOPE MINE. Min. & Sci. Press, vol. 74, p. 429. I.

HEAD-FRAME CONSTRUCTION — BUILT ON A TRESTLE. Min. & Sci. Press, vol. 87, p. 17. 3 columns. I.

STEEL VS. TIMBER HEAD-FRAMES. Min. & Sci. Press, vol. 87, p.18. ⅓ column.

HEAD-FRAME SHAFT NO. 4 CONGRESS MINE, ARIZONA. Min. & Sci. Press, vol. 87, p. 21.

GALLOWS-FRAME, PINOS ALTOS COUNTY, CHIHUAHUA, MEXICO. Min. and Sci. Press, vol. 83, p. 66. ½ column. I.

HEAD GEAR AT RIVER HILL MINE, LASSEN COUNTY, CALIFORNIA. Min. & Sci. Press, vol. 85, p. 155. ½ column. I.

GALLOWS FRAMES FOR SHAFTS. By R. D. O. Johnson. E. & M. J., vol. 81, p. 364. 2 columns. I.

The Gallows Frame, C. & C. Shaft, Comstock Lode. Min. & Sci. Press, vol. 31, p. 290. ¼ column.

Head-Frame at Leisenring No. 3 Colliery. Coll. Engr., vol. 10, p. 172.

Design of Head-Frames. E. & M. J., vol. 78, p. 133. 1 column. I.

Wrought Iron Head-Frame at the Oakwood Shaft, Pennsylvania Lehigh Coal Company. 2nd. Geol. Survey of Pa. Plate 20. Atlas.

A Gasoline Engine Mining Plant (Head-Gear). E. & M. J., voi. 64, p. 41. ½ column. I.

Head-Frames — Method of Erecting. E. & M. J., vol. 78, p. 215. 2⅓ columns.

New Head-Frame at United Verde Mine. E. & M. J., vol. 78, p. 217. I.

Head-Frame, Lytle Shaft. T. A. I. M. E., vol. 34, p. 114.

Head-Frame of Tamarack No. 3 Shaft. E. & M. J., vol. 78, p. 787.

Sinking Head-Frames. 2nd. Geol. Survey Pa. A. C., p. 62. 6 pages. I.

Head- or Gallows Frames: Head Frames of the Cripple Creek District. By A. Forsyth. E. & M. J., March 7, 1903, p. 366.

Head-Frames. The Elements of Mining Engineering, vol. 3, p. 25, also p. 12, etc. 4 pages. I.

Trussed Head-Frame. The Elements of Mining Engineering, vol. 3, pp. 26, 12, 13, 14.

Shafts and Head-Gears. Mech. Eng. Coll., vol. 1, p. 87. 26 pages. I.

Improved Head-Frame and Safety Device. By C. F. Spaulding. Min. Mag., Feb., 1905, p. 147. 6 columns. I.

Changing Head-gears at Pleasley Colliery. By G. A. Longden. T. I. M. E., vol. 23, p. 348. 8 pages. I.

Head-Frames or Gears — Design of. Mech. Eng. Coll., vol. 1, pp. 104, 114 to 120. 6 pages. I.

Shaft Tops and Headgears. The Witwatersrand Gold Fields, p. 218. 34 pages. I.

Pit-head Frame at the Müke Collieries, Japan: Details of Construction. Engineering, London, vol. 77, p. 151. 1 column. I.

Notes on the Coal-Seams of the Transvaal, and Description of a Modern Pit-Head Plant. By W. T. Hallimond. T. F. I. M. E., vol. 13, p. 375. 8 pages. I.

Head-Gears on Witwatersrand, South Africa. Sch. Mines Quart., vol. 20, p. 386. ½ page.

Improved Shaft Equipment. By S. A. Worcester. Min. & Sci. Press, vol. 92, p. 178. 1½ columns. I.

Device for Changing Head-Sheaves. By W. K. Elliott. M. & M., vol. 28, p. 321. 2 columns. I.

Details of Steel Top to Head-Frame. M. & M., vol. 28, p. 321. 2 columns. I.

Steel Head-Frame and Ore-Bin Construction. E. & M. J., vol. 84, p. 245. ½ column. I.

Wooden Head-frame in Lake Superior Iron Mines. E. & M. J., vol. 84, p. 253. I.

The Leonard Head-Frame. By A. H. Halloran. Min. & Sci. Press, vol. 92, p. 431. ⅔ column. I.

A New Steel Head-Frame (Being Erected around and above Smaller Wooden One). Min. & Sci. Press, vol. 86, p. 390. ½ column. I.

Steel Head-Frames. By G. S. Binkley. Min. & Sci. Press, vol. 79, p. 88. 5 columns. I.

Types of Head-Frames. Min. & Sci. Press, vol. 79, p. 281. 3 columns. I.

Steel Head Gear, Elkton Mine, Cripple Creek, Colorado. Min. & Sci. Press, vol. 81, p. 573. ½ column. I.

Iron and Steel Head-Frames: Their Superiority over Timber Head-Frames for Shafts. Coll. Engr. & Met. Mines, vol. 15, p. 102. 3 columns. I.

Steel-Head-Frames: Some Recent Examples Erected in the Wyoming and Lackawana Coal Basins of Pennsylvania. M. & M., vol. 20, p. 292. 6 columns. I.

Tipples: Methods of Construction and Materials

Tipple Construction. E. & M. J., vol. 83, p. 558, I.; p. 746, I.

Steel Head-Frame: And Tipple at the Morewood Shaft of the Southwest Connellsville Coke Company. By W. Wilkins. Coll. Engr. & Met. Miner, vol. 17, p. 297. 2 columns. I.

A Novel Steel Tipple. Coll. Engr. & Met. Miner, vol. 16, p. 16. 1½ columns. I.

Tipples in the Ehrenfeld District, Pennsylvania. E. & M. J., vol. 78, p. 257. ¼ column.

New Steel Tipple at the Lincoln Mine, Waltersburg, Pennsylvania. M. & M., vol. 27, p. 352. 1 column. I.

The Use of Steel for Coal Mine Tipples, and a Classification of Same. By G. S. Rice. J. W. Soc. E., vol. 9, p. 343. 25 pages. I.

Tipple Construction. Coll. Eng. & Met. Miner, vol. 17, p. 76. I.

Pratt Mines, Alabama. E. & M. J., vol. 50, p. 595. I.

Steel Mine Tipples, Rica Deep. E. & M. J., vol. 78, p. 513. 5¾ columns. I.

Coal Tipple: Design and Cost, with Bill of Materials. M. & M., Oct., 1901, p. 139.

The Coal Mines on the West Side Belt Railroad. By S. Sanford. E. & M. J., vol. 79, p. 651. 14 columns. I.

Coal Mine Tipples. E. & M. J., vol. 79, p. 766. 1½ columns. I.

The Divernon Coal Mine: A Description of the Plant and Arrangements at Mine No. 6 of the Madison Coal Company, at Divernon, Illinois. By J. J. Rutledge. M. & M., Dec., 1901, p. 198. 9 columns. I.

Head-Frames and Tipples. By W. R. Crane. E. & M. J., July 14, 1904. p. 62.

The Truesdale Braker and Washery (Construction). E. & M. J., vol. 80, p. 584, 8 columns, I.; p. 493, 4 columns, I.; p. 408, 4 columns, I.

The Tipple of the Eagle Coal and Mineral Company. M. & M., vol. 25, p. 535. 1 column. I.

Coal Mine Tipples. By H. G. Tyrrell. E. & M. J., Feb. 2, 1905, p. 227. 3 columns. I.

A Modern Coal Tipple. By F. R. Willson. E. & M. J., vol. 82, p. 1021. 4 columns. I.

Breaker of the Pacific Coal Company, in Alberta, Canada. By L. Stockett and B. R. Warden. E. & M. J., vol. 83, p. 857. 12 columns. I.

Ore Bins: Materials of Construction and Methods of Calculation of Stresses

Determining Volumes of Coal in Bins and Piles. By C. Enzian. E. & M. J., vol. 84, p. 164. 8⅓ columns. I.

The Angle of Convenience of Hill Sides and Ore Dump. Min. & Sci. Press, vol. 87, p. 19.

Capacity of Ore Bins: Arrangement of Parts, etc. Min. & Sci. Press, vol. 90, p. 403. Note.

Calculation of Capacity of Coal or Ore Bins. Min. & Sci. Press, vol. 91, p. 106. ¼ column.

Specifications for Ore-Bins. Min. & Sci. Press, vol. 72, p. 186. ¼ column.

Ore-Bin Calculation. Coll. Engr., vol. 12, p. 81. ½ column. I.

Designs of Ore-Bins and Coal-Pockets. E. & M. J., vol. 77, p. 728. ½ column.
Canadian Soc. of Civil Engs., Dec., 1903.

Ore Bins at Elk Lick Mines, Pennsylvania. E. & M. J., vol. 77, p. 159. I.

Pitch of Anthracite Coal Chutes. E. & M. J., vol. 83, p. 626. Note.

Slopes of Hill Sides and Dumps. Min. & Sci. Press, vol. 86, p. 99. Note.

Bottoms of Ore Bins. Min. & Sci. Press, vol. 92, p. 155. Note.

Inclined vs. Flat Bottomed Ore-Bins. Min. & Sci. Press, vol. 92, p. 35. ¼ column.

Coke and Ore Bins. By E. W. Pittman. P. E. Soc. W. Pa., vol. 22, p. 239. 11 pages. I.

Coal and Ore Pockets. E. & M. J., vol. 82, p. 28. 1¾ columns. I.

Coal and Ore Pockets. By J. H. Granbery. E. & M. J., vol. 81, p. 841. 1 column +.

Coal Pockets. E. & M. J., vol. 61, p. 109. ⅔ column. I.

Coal-Storage Bins in the Pocahontas Field: A Description of Some of the Early Types, Their Shortcomings, and Later Improvements. M. & M., Nov., 1902, p. 145.

Coal Pocket Construction for the Anthracite Breaker of the Pacific Coal Company. J. C. M. I., vol. 9, cuts following p. 271.

Ore Bins on the Rand. M. & M., vol. 26, p. 472. ½ column.

Ore Bins of the Old Dominion Smelter. E. & M. J., vol. 81, p. 1043. 2 columns. I.

An Ore Chute and Bins: Showing Construction of Bins and Arrangement of Trestle and Chute. Min. & Sci. Press, vol. 86, p. 9. ⅓ column. I.

Ore Bin Construction. Min. & Sci. Press, vol. 89, p. 436. ½ column. I.

Shaft Bins at Lake View Consols, Kalgoorlie, West Australia. By D. E. Bigelow. Min. & Sci. Press, vol. 90, p. 170. 1¾ columns. I.

Underground Ore-Pockets and Bins. M. & M., Jan., 1904. pp. 252, 254.

Ore Bin Construction in South Africa. E. & M. J., vol. 78, p. 305. ½ column. I.

Ore Storage Bins, Witwatersrand, South Africa. Sch. Mines Quart., vol. 20, p. 389. ¾ page.

Ore Shipping Docks on the Lakes. E. & M. J., vol. 74, p. 43. ½ column.

Ore Dock of the Duluth, South Shore and Atlantic Railroad Company, at Marquette, Michigan. (All Details: Door, Bents, etc.) E. & M. J., vol. 51, p. 62, 3 columns, I.; p. 88, 4 columns, I.; p. 116, 1 column, I.

Lake Ore Docks. By D. E. Woodbridge. E. & M. J., vol. 81, p. 945. ½ column.

Ore-Bins (Underground) in the Rand Mines. T. I. M. & M., vol. 15, p. 347. 3 pages. I.

Underground Ore Bins on the Rand. Witwatersrand Goldfields, p. 203. 16 pages. I.

Surface Ore Bins. Witwatersrand Goldfields, p. 241. 3 pages.

Underground Ore-Bins. E. & M. J., vol. 81, p. 271. 3 columns. I.; vol. 83, p. 175. 3 columns. I.

Underground Ore-Bins in the Butte Copper Mines. M. & M., vol. 21, p. 158. ⅓ column. I.

Steel Ore-Bin Construction. Min. & Sci. Press, vol. 92, p. 23, I.; p. 38, 1 column, I.

Steel Ore-Bin Construction. By W. R. Crane. Min. & Sci. Press, vol. 94, p. 304. 6 columns. I.

Steel Ore-Bin Construction. E. & M. J., vol. 83, p. 133. I.

A Swinging Ore Bin Gate. Min. & Sci. Press, vol. 83, p. 184. ⅕ column. I.

Ore-Pocket Gate or Stop. By W. Kelley. T. L. S. M. I., vol. 2, p. 111. 2 pages. I.

Thawing Contents of Ore Bins. E. & M. J. vol. 82, p. 164. Note.

Foundations for Building, and Mine Constructions

Supporting Power of Various Foundation Soils in Tons per Square Foot. Mill Building Construction, p. 16. Table.

Bearing Loads of Masonry Walls. E. & M. J., vol. 84, p. 168. Note.

On the Theories of the Lateral Pressure of Sand Against Retaining Walls. By M. Merriman. Sch. Mines Quart., vol. 9, p. 109. 4 pages.

The Theories of Retaining Walls. By R. H. Thurston. Sch. Mines Quart., vol. 9, p. 286. 2 pages.

Foundations: The Importance of Good Foundations for Machinery and How to Secure Them. By W. H. Mungall. Coll. Engr. & Met. Miner, vol. 16, p. 207. 2 columns.

Foundations of the Nadrai Aqueduct, India. E. & M. J., vol. 55, p. 515. ½ column. I.

The Washington Bridge: Description of Putting in Foundations for Piers. E. & M. J., vol. 50, p. 362. 4½ columns. I.

The Application of the Poetsch System to Pier Foundations. Min. & Sci. Press, vol. 49, p. 225. 3 columns. I.

The Use of Coal Cinder in Construction. Min. & Sci. Press, vol. 51, p. 246. ⅔ column.

Method of Constructing the Foundations for the Trust Company of America Building, New York City. By M. Deutsch. Sch. Mines Quart., vol. 28, p. 459. 12 pages. I.

Foundations for Chicago Buildings. By J. M. Ewen. J. W. Soc. E., vol. 10, p. 687. 17 pages. I.

Deep and Difficult Bridge and Building Foundations. By G. E. Thomas. J.W. Soc. E., vol. 1, p. 437. 28 pages. I.

Foundations. By W. G. Wilkins. P. E. Soc. W. Pa., vol. 9, p. 125. 13 pages. I.

Foundation Bolts for Steam Engines. Min. & Sci. Press, vol. 88, p. 41, 1½ columns., I.; p. 58, 1⅓ columns, I.

Ingersoll-Sergeant Pile Driver Power Drill Arrangement. Min. & Sci. Press, vol. 87, p. 217. ½ column. I.

The De Wit Steam Pile Driver. E. & M. J., vol. 47, p. 12. ¾ column. I.

Steel Columns for Mill-Building Construction. E. & M. J., vol. 77, p. 350. ¾ column.

Gunpowder for Driving Piles. E. & M. J., vol. 8, p. 104. 2½ columns. I.

Piling in Running Ground. Coll. Engr. & Met. Miner, vol. 14, p. 322. ⅔ column. I.

Diagonal Piling. Coll. Engr. & Met. Miner, vol. 14, p. 322. 1 column. I.

Temporary Foundation for Hoisting Engine. Mech. Eng. Coll., vol. 1, p. 64. I.

Air-Compressor Foundations. By E. M. Mackie. M. & M., vol. 25, p. 561. ⅔ column.

Deep Subaqueous Foundations. Engineering, London, vol. 73, p. 822. 1⅔ columns. I.

Battery Foundations. E. & M. J., vol. 77, p. 877, 1 column; p. 1036, 1 column.

Steam Hammer Foundations: Applicable to Stamps. E. & M. J., vol. 14, p. 146, 2¼ columns; p. 162, 2 columns.

STAMP-MILL CONCRETE FOUNDATION. Min. & Sci. Press, vol. 75, p. 505. ¼ column. I.

STAMP MILL FOUNDATIONS. By A. W. Warwick. Min. & Sci. Press, vol. 82, p. 95. 1¼ columns. I.

STAMP BATTERY BLOCK FOUNDATION IN SOFT GROUND. By W. H. Washburn. Min. & Sci. Press, vol. 84, p. 246. 2 columns. I.

CONCRETE FOUNDATIONS FOR STAMP BATTERIES. By M. B. Boss. Min. & Sci. Press, vol. 86, p. 72. 1 column.

PUMP FOUNDATIONS FOR THE COMSTOCK LODE: Yellow Jacket Shaft, 35-foot Walls, Tied down with 4-Inch Iron Bolts. M. & Sci. Press, vol. 36, p. 6. Note.

MASONRY FOUNDATIONS FOR MORTARS OF STAMP MILLS. By A. B. Foote. E. & M. J., vol. 82, p. 886. 3 columns.

STAMP-BATTERY FOUNDATIONS. Min. & Sci. Press, vol. 94, p. 633. ½ column. I.

BATTERY FOUNDATIONS OF THE KUK-SAN-DONG MILL, KOREA. By C. D. Kaeding. Min. & Sci. Press, vol. 94, p. 598. 2 columns. I.

HOISTING ENGINE FOUNDATIONS. By R. V. Norris. M. & M., July, 1904, p. 587.

RETAINING WALLS. Eng. Record, June 13, 1908.

EARTH-PRESSURES ON RETAINING WALLS. By G. C. Maconchy. Engineering, London, vol. 66, p. 256, 2 columns, I.; p. 484, 2¾ columns.

CONSTRUCTION OF RETAINING WALLS FOR THE SANITARY DISTRICT OF CHICAGO. By J. W. Beardsley. J. W. Soc. E., vol. 3, p. 1310. 23 pages. I.

FOOTINGS FOR WALLS OF BUILDINGS. E. & M. J., vol. 81, p. 188. Note.

Flumes: Materials of Construction and Design

DIMENSIONS OF CHANNELS FOR SURFACE DRAINAGE. By C. E. Livesay. Engineering, London, vol. 65, p. 190. 7 columns. I.

FLUMES. Placer Mining, p. 83.

THE BASIC COMPANY'S FLUME, IDAHO. E. & M. J., vol. 66, p. 455. 3 columns. I.

FLUME CONSTRUCTION. T. A. I. M. E., vol. 25, pp. 736, 738.

NOTES ON THE AUREX SLUICE. By T. M. Chatard and C. Whitehead. E. & M. J., vol. 69, p. 138. 4½ columns.

FLUME CONSTRUCTION. E. & M. J., vol. 76, p. 267. 3 columns. I.

FLUME CONSTRUCTION. By W. C. Ralston. E. & M. J., vol. 75, p. 785. 1¼ columns. I.

FLUME WORK OF THE MONTROSE PLACER MINING COMPANY. E. & M. J., vol. 49, p. 563. 2 columns. I.

FLUME CONSTRUCTION OF THE OSCEOLA GRAVEL MINING COMPANY, NEVADA. E. & M. J., vol. 51, p. 630. 3 columns. I.

FLUME CONSTRUCTION. E. & M. J., vol. 24, p. 152. I.

FLUMES AND THEIR CONSTRUCTION. Min. & Sci. Press, vol. 45, p. 289. ⅔ column. I.

DETAILED CONSTRUCTION OF SLUICE-BOX. Min. & Sci. Press, vol. 53, p. 245. 3½ columns. I.

CONSTRUCTION OF MINING FLUMES. Min. & Sci. Press, vol. 44, p. 49. 2½ columns. I.

SUSPENSION CHUTES FOR LOADING VESSELS — CONSTRUCTION. Min. & Sci. Press, vol. 23, p. 35. ⅞ column.

FLUME CONSTRUCTION. E. & M. J., vol. 67, pp. 143, 145. I.

SKETCH SHOWING BRACING OF AQUEDUCT CARRYING MORRIS AND ESSEX CANAL ACROSS THE PASSAIC RIVER. Columbia Eng., 1898–1899, p. 103.

Tanks for Mining Purposes

Mining Tanks. M. & M., Dec., 1901, p. 221. ½ column.

Construction of Wooden Water Tanks. E. & M. J., vol. 76, p. 855. ½ column.

Construction of Steel Tanks for Cyanide Works — Specifications. E. & M. J., vol. 80, p.1. ½ column.

Iron and Steel Water Tanks. By W. C. Coffin. E. & M. J., vol. 55, p. 249. 1¼ columns.

Iron vs. Wood for Cyanide Leaching Tanks. By F. L. Bosqui. Min. & Sci. Press, vol. 92, p. 257. 1⅙ columns.

Specifications for Steel Tank Construction. J. W. Soc. E., vol. 4, p. 281. 2 pages.

Steel vs. Wood Tanks. By T. W. Snow. J. W. Soc. E., vol. 4, p. 268. 15 pages. I.

The Construction of Iron and Steel Water Tanks. By W. C. Coffin. P. E. Soc. W. Pa., vol. 8, p. 336. 6½ pages.

Building a Concrete Tank. Min. & Sci. Press, vol. 92, p. 146. 1 column. I.

Buckling of a Tank. M. & M., Sept., 1902, p. 71. ⅛ column.

Hoops for Water Tanks — ¾ Inch Minimum Size. Min. & Sci. Press, vol. 93, p. 593. Note.

An Electrical Indicator for Water Tanks. By C. H. Glasser. E. & M. J., vol. 83, p. 227. 2 columns. I.

How to Set Up Wood Stave Tanks. By R. S. Browne. Min. & Sci. Press, vol. 90, p. 250. 1⅓ columns.

MINE GASES

Mine Atmosphere and Gases

Coal and Water Gas. By A. D. Adams. M. & M., June, 1904, p. 536.

Gases in Mines. By W. Poole. Min. & Sci. Press, Feb. 11, 1905, p. 89.

Accumulations of Fire-Damp in Old Workings. T. F. I. M. E., vol. 4, p. 641.

Fire-Damp in the Anthracite Mines. E. & M. J., vol. 17, p. 33. 2¼ columns.

Gases Met with in Mines. By W. Walker. Coll. Engr., vol. 13, p. 10, 6 columns. I.

Fire Damp. Coll. Engr., vol. 13, p. 203, 2½ columns; p. 218, 2½ columns; p. 246, ½ column; p. 249, 3½ columns; p. 279, 3 columns, I.

Fire-Damp. By H. H. Stock. Coll. Engr. & Met. Miner, vol. 14, p. 41, 3 columns; p. 75, 3 columns; p. 103, 3 columns; p. 131, 2 columns, I.; p. 160, 1¼ columns; p. 176, 6 columns, I.; p. 211, 4 columns.

Return Air in Mines. Min. & Sci. Press, vol. 47, p. 38. ⅔ column.

The Chemical Investigation of the Return-Air in Saxon Collieries. By Cl. Winkler. E. & M. J., vol. 34, p. 201. 1⅓ columns.

"That Deadly Gas." By A. T. Heydon. Min. & Sci. Press, vol. 80, p. 177. 1¼ columns.

Gases: Their Condition and Character. Rept. Inspr. Mines, Pa., 1875, p. 64. 1½ pages. I.

Investigations on the Composition, Occurrence and Properties of Black-Damp. By J. Haldane and W. N. Atkinson. T. F. I. M. E., vol. 8, p. 549. 19 pages.

Mine Gases, Their Occurrence, Properties and Effects, also Height of Flames. M. & M., vol. 20, p. 275. 3⅔ columns. I.

Colliery Gases. By D. Maculay and L. G. Irvine. E. & M. J., vol. 82, p. 112. 4 columns.

Mine Gases. E. & M. J., vol. 84, p. 787. 4 columns.

Investigations of Mine-Atmosphere. T. F. I M. E., vol. 8, pp. 549–562.

GUNPOWDER, ITS EFFECTS ON THE ATMOSPHERE OF A COAL MINE WHEN EXPLODED. By J. Ashworth. T. N. S. I. M. & M. E., vol. 3, p. 15. 9½ pages.

A CONTRIBUTION TO THE HISTORY OF FIRE-DAMP. By H. G. Graves. T. F. I. M. E., vol. 6, p. 241. 18 pages.

CARBON MONOXIDE IN MINES. By J. T. Beard. M. & M., vol. 27, p. 276. 2¾ columns. I.

ALLOWABLE LIMIT OF CARBON DIOXIDE AND OXYGEN IN MINES. E. & M. J., vol. 81, p. 284. Note.

INVESTIGATIONS ON THE NATURE AND SOURCES OF THE SUFFOCATIVE GAS MET WITH IN WELLS: Together with Further Observations on the Black-Damp of Coal-Mines. By J. S. Maldane. T. F. I. M. E., vol. 11, p. 265. 14 pages.

SULPHURETTED HYDROGEN. Min. & Sci. Press, vol. 77, p. 428. ½ column.

SULPHURETTED HYDROGEN: Its Occurrence and Elimination. M. & M., vol. 19, p. 522. ½ column.

SOME MINE GASES: Their Toxicology and Possible Connection with Miner's Phthisis. By A. Heymann. J. C. & M. Soc. S. A., vol. 4, p. 11. 83 pages. I.

THE COMPOSITION OF TOBACCO SMOKE. By J. Moir. J. C. & M. Soc. S. A., vol. 4, p. 525. 8 pages.

MINE AIR AFTER EXPLOSION OF DYNAMITE. T. I. M. & M., vol. 13, p. 423. 1 page.

AIR IN COAL MINES: Analysis of. E. & M. J., vol. 75, p. 215. Note.

THE CHEMISTRY OF THE MINE. E. & M. J., vol. 8, p. 338. 2 columns.

THE CHANGE OF COMPOSITION PRODUCED IN AIR BY FLAMES AND BY RESPIRATION. By F. Clowes. T. F. I. M. E., vol. 9, p. 376. 14 pages. I.

MINE GASES AND METHODS OF PREVENTING EXPLOSIONS. By H. E. Gray. E. & M. J., vol. 84, p. 787. 7½ columns.

THE PHENOMENA OF COLLIERY EXPLOSIONS. By D. M. D. Stuart. T. F. I. M. E., vol. 12, p. 371. 37 pages.

THE LIMITING EXPLOSIVE MIXTURES OF VARIOUS COMBUSTIBLE GASES WITH AIR. By F. Clowes. T. F. I. M. E., vol. 9, p. 373. 4 pages.

SETTLING AND PURIFYING MINE AIR. M. & M., vol. 26, p. 422. ½ column.

FIRE-DAMP: Experiences of a Mine Manager. By F. C. Keighley. Coll. Engr. & Met. Miner, vol. 16, p. 280. 4½ columns.

EFFECT OF AFTER-DAMP ON MEN. E. & M. J., vol. 82, p. 593. Note.

THE ACTION OF COAL-MINE GASES. By R. Lee. E. & M. J., vol. 83, p. 288. 2 columns.

CHOKE DAMP EFFECTS AND THEIR PREVENTION. By W. H. Booth. Coll. Engr. & Met. Miner, vol. 14, p. 4. ¾ column.

THE EFFECT OF VARIOUS GASES ON ANIMAL LIFE: Carbon Monoxide, Carbon Dioxide, Sulphuretted Hydrogen, and Illuminating Gas. By J. R. Wilson. Coll. Engr. & Met. Miner, vol. 14, p. 143. 3¾ columns.

REPORT OF THE PRUSSIAN FIRE-DAMP COMMISSION. T. F. I. M. E., vol. 4, p. 631, 52 pages; vol. 5, p. 500, 54 pages.

THE REPORT OF THE AUSTRIAN FIRE-DAMP COMMISSION. By W. N. Atkinson. T. F. I. M. E., vol. 3, p. 531. 20 pages.

ON EARTH PULSATIONS AND MINE GAS (with a List of References on Literature Regarding Same). By J. Milne. T. F. I. M. E., vol. 5, p. 203. 18 pages. I.

FIRE-DAMP AND ELECTRIC CURRENTS. E. & M. J., vol. 65, p. 582. ½ column.

ELECTRIC LAMPS AND GAS IN MINES. M. & M., Apr., 1904, p. 438.

IGNITION OF FIREDAMP BY SPARKS FROM PICK. M. & M., Apr., 1904, p. 437.

Experiments on the Ignition of Fire-Damp and Coal-Dust by Means of Electricity. By B. Heise and Dr. Thiem. T. I. M. E., vol. 17, p. 88. 28 pages.

Occurrence of Gases In Coal

Remarks Showing the Probability of Explosions from Accumulations of Gas in the Gob or Goaf. By J. Williamson. T. N. S. I. M. & M. E., vol. 5, p. 135, 4 pages, I.; vol. 6, p. 117, 6 pages.

Fire Damp from Anthracite. Min. & Sci. Press, vol. 25, p. 48. 1 column.

Fire-Damp from Anthracite. E. & M. J., vol. 13, p. 361. ⅔ column.

Quantity of Gas Given Off by Coal. T. F. I. M. E., vol. 4, p. 638.

Volume of Gas that Would Escape from a Given Face of Coal at Given Barometric Pressure and Temperature. M. & M., Nov., 1902, p. 187.

The Source and Behavior of Fire-Gas in the Johnstown Mines. By J. Fulton. T. A. I. M. E., vol. 13, p. 772.

Influence of Method of Working on Liberation of Fire-Damp. T. F. I. M. E., vol. 4, p. 637.

Issuance of Fire-Damp from Coal and Rock. T. F. I. M. E., vol. 4, p. 635.

Amount of Fire Damp Given Off by the Collieries in the Saarbruck Basin, Germany. E. & M. J., vol. 61, p. 517. Note.

Occurrence of Fire-Damp in Coal and Surrounding Rock. T. F. I. M. E., vol. 4. p. 633.

Note on the Gases Enclosed in Coal and Coal-Dust. By P. P. Bedson. T. F. I. M. E., vol. 3, p. 307. 4 pages; T. I. M. E., vol. 24, p. 27. 14 pages.

Gas Enclosed in Coal and its Effect on Coal-Dust Explosions. By Dr. Broockmann. M. & M., vol. 20, p. 92. 5⅔ columns.

Gases Enclosed in Coal. By Dr. Broockmann. T. I. M. E., vol. 24, p. 18. 8 pages.

Occluded Gas in Coal Dust. E. & M. J., vol. 59, p. 58. Note.

Effect of Temperature on Quantity of Water in Mine Air. T. A. I. M. E., vol. 13, p. 257.

Weight of Carbon in the Atmosphere. E. & M. J., vol. 5, p. 49. ½ column.

Deposition of Carbon from Carbon Dioxide Gas. By A. D. Elbus. E. & M. J., vol. 50, p. 598, 2 columns; p. 618, ½ column.

The Connections between Colliery Explosions and Weather. E. & M. J., vol. 16, p. 370. ¾ column.

Destroying Explosive Gases in Collieries. Am. Jour. Min., vol. 3, p. 222. ⅓ column.

The Rate of Explosion in Gases. By H. B. Dixon. E. & M. J., vol. 55, p. 128. 1 column.

Initial Pressure Due to an Explosion of a Body of Fire Damp. M. & M., Apr., 1902, p. 429.

Diffusion of Mine Gases. M. & M., Sept., 1901, p. 94.

Principles to be Observed in Fiery Mines: General Regulations; Ventilation; Shot-firing; Lighting; Special Regulations. T. F. I. M. E., vol. 5, p. 547. 8 pages.

Means and Methods of Combating Fire-Damp. T. F. I. M. E., vol. 5, p. 500.

Gas in Mines Other Than Coal

Gas in Mines Other than Coal. T. I. M. E., vol. 27, p. 730. 1½ pages.

Gas in Metal Mines. E. & M. J., vol. 78, p. 254. ½ column.

Explosive Gas in a Metalliferous Mine. By F. W. Grey. T. I. M. & M., vol. 9, p. 193. 8 pages. I.

FIRE DAMP IN MINES OTHER THAN COAL (Salt Mines). E. & M. J., vol. 77, p. 714. Note.

EXPLOSIVE GAS IN A METALLIFEROUS MINE. By F. W. Grey. E. & M. J., vol. 71, p. 405. 1⅞ columns. I.

GASES IN METALLIFEROUS MINES: An Account of the Occurrence of Free Nitrogen Gas in a Vein in Colorado — Its Effects on Those Breathing It. By H. A. Lee. M. & M., May, 1904, p. 478. 2 columns.

OUTBURSTS OF GAS IN METALLIFEROUS MINES. By B. H. Brough. Sch. Mines Quart., vol. 12, p. 13. 10 pages.

AN INFLAMMABLE GAS FOUND IN VUGGS IN SILVER ISLET MINE, LAKE SUPERIOR. E. & M. J., vol. 20, p. 7, Note; vol. 23, p. 55, Note; vol. 34, p. 322, Note.

CARBONIC ACID GAS IN THE GOLD AND SILVER MINES OF SUTTEPEC, MEXICO. E. & M. J., vol. 58, p. 220. Note.

SOME OCCURRENCES OF GASES IN A QUICK SILVER MINE. By P. Rearden. Min. & Sci. Press, vol. 84, p. 37. 3¼ columns. I.

GAS IN A METALLIFEROUS MINE, NEW SOUTH WALES. M. & M., vol. 27, p. 187. ¼ column.

GAS IN THE MINES OF TONOPAH. Min. & Sci. Press, vol. 86, p. 279. Note.

FIRE-DAMP IN KIMBERLEY MINES. T. N. S. I. M. & M. E., vol. 10, p. 83. ¼ page.

SUBTERRANEAN GASES AT CRIPPLE CREEK. Min. & Sci. Press, vol. 90, p. 88. 1 column.

CARBON MONOXIDE IN THE NEW ALMADEN QUICKSILVER MINES, CALIFORNIA. Min. & Sci. Press, vol. 90, p. 267. Note.

GAS IN METAL MINES. E. & M. J., vol. 84, p. 81. 1 column.

FIRE-DAMP IN THE WIELICZKA SALT-MINE, POLAND. T. I. M. E., vol. 31, p. 709. ¾ page.

CONSIDERABLE GAS IS ENCOUNTERED IN THE SHURTLOFF AND BLUE BIRD MINES, CRIPPLE CREEK, COLORADO, ALSO AT WILD HORSE. E. & M. J., vol. 76, p. 87. Notes.

CARBON MONOXIDE GAS IN THE GEYSER MINE, SILVER CLIFF, COLORADO. M. & M., vol. 18, p. 296. Note.

SUBTERRANEAN GASES IN THE CRIPPLE CREEK MINES. Min. & Sci. Press, vol. 90, p. 88. Note. ½ column.

INFLAMMABLE GAS IN A QUARTZ MINE. E. & M. J., vol. 78, p. 133. ½ column.

Outbursts of Gas in Mines

ON SUDDEN OUTBURSTS OF FIRE-DAMP, AND AS TO THE PROPRIETY OF BLASTING IN THOSE SEAMS WHICH ARE PROVED TO BE LIABLE TO THE OUTBURSTS. By J. Brown. T. N. S. I. M. & M. E., vol. 4, p. 199, 24½ pages, I.; vol. 5, p. 49, 9 pages.

EARTHQUAKES AND OUTBURSTS OF GAS IN MINES. Min. & Sci. Press, vol. 47, p. 227. ¼ column.

SUDDEN OUTBURSTS OF GAS IN MINES. Min. & Sci. Press, vol. 48, p. 23. ⅔ column.

OUT-BURSTS OF SOFT COAL AND GAS IN A VEIN OF COAL IN LANCASHIRE, ENGLAND. By J. Dickinson. Coll. Engr. & Met. Miner, vol. 14, p. 46, 4 columns, I.; p. 159, ½ column.

SUDDEN OUTBURSTS OF GAS. Coll. Engr., vol. 8, p. 89. 3½ columns. I.

MINE GASES AND EXPLOSIONS. 2nd. Geological Survey, Pa. A. C., p. 379. 18 pages.

A GREAT FIRE-DAMP BLOWER. E. & M. J., vol. 39, p. 313, ⅔ column; p. 369, ¼ column.

OUTBURSTS OF GAS. Coll. Engr., vol. 10, p. 251. 2½ columns.

SUDDEN OUTBURSTS OF FIRE-DAMP. E. & M. J., vol. 38, p. 379. Note.

AN OUTBURST OF GAS AT HOUGHTON MAIN COLLIERY. By J. Janatt. T. F. I. M. E., vol. 1, p. 29. 9 pages.

Discussion on Mr. Marshalls' Paper on "An Outburst of Gas at Monk Bretton Colliery." T. F. I. M. E., vol. 1, p. 23. 4 pages.

Instantaneous Outbursts of Fire-Damp and Coal, Brood Oak Colliery. By J. Gerrard. T. I. M. E., vol. 18, p. 251. 15 pages.

The Effects of Pent-up Gases in Mines. Min. & Sci. Press, vol. 44, p. 34. 1 column.

Irruptions of Fire-Damp in Coal Mines. Am. Jour. Min., vol. 3, p. 62. ¾ column.

Outbreak of Gas in the Reschitzaer Coal Mine, Hungary. By C. P. Turner. M. & M., vol. 18, p. 440. 1 column.

Detection and Testing of Mine Gases

Lamps and Damps. E. & M. J., vol. 5, p. 88. 1½ columns.

Detection of Small Percentages of Gas. By J. T. Beard. M. & M., May, 1903, p. 458.

A New Fire-Damp Indicator. By C. Pixis. E. & M. J., vol. 63, p. 331. ⅓ column. I.

Fire-Damp Indicator for Coal Mines. Lyncker and Schroppmake. E. & M. J., vol. 67, p. 117. 1 column. I.

The Detection and Measurement of Fire-Damp in Mines. By G. Chesneau. T. A. I. M. E., vol. 22, pp. 120, 725.

The Hydrogen-Oil Safety-Lamp, for Lighting and for Accurate and Delicate Detection and Measurement of Inflammable Gas and Vapor in the Air. By F. Clowes. T. A. I. M. E., vol. 22, pp. 606, 725.

Indicators of Fire-Damp Based on the Elongation of Flames in an Atmosphere Impoverished in Oxygen. T. A. I. M. E., vol. 22, p. 140.

Indicators of Fire-Damp Founded upon Flame Aureoles in Atmospheres Containing Fire-Damp. T. A. I. M. E., vol. 22, p. 144.

Detection of Gas in Mines. M. & M., June, 1903, p. 526.

The Detection of Fire-Damp. By J. Ashworth and F. Clowes. T. F. I. M. E., vol. 2, p. 352. 6 pages.

Detection and Estimation of Fire-Damp: Gravimetric, Diffusion, Combustion; Spongy Platinum Methods, Photometric and Analytical; Safety-lamps and Miscellaneous Detectors. T. F. I. M. E., vol. 6, p. 244.

Methods of Applying the Hydrogen-Flame to the Detection and Measurement of Fire-Damp. T. F. I. M. E., vol. 4, p. 449. 3 pages. I.

Apparatus for Giving Warning of Explosive or Deleterious Gases. E. & M. J., vol. 21, p. 563. ½ column.

Fire-Damp Detector. By T. J. Murday. T. F. I. M. E., vol. 2, p. 469. 1 page. I.
E. & M. J., vol. 54, p. 491.

A New Fire-Damp Indicator. Coll. Engr., vol. 10, p. 131. ½ column.

Carleton's Fire-Damp Indicator. E. & M. J., vol. 41, p. 265. 1½ columns. I.

The Value of Colliery Warnings. By S. Alsop. Coll. Engr., vol. 8, p. 175, 2 columns, I.; vol. 9, p. 97, 1 column.

Application of Osmosis to Detect Fire Damp and Choke-Damp in Mines. By P. H. V. Weyde. E. & M. J., vol. 9, p. 161. 1 column. I.

Testing for Gas by Lamp Flame. M. & M., vol. 20, p. 429. 1½ columns.

Testing for Gas in Coal Mines. By Clowes. Coll. Engr., vol. 12, p. 274. 2 columns.

The Simplest Gas Detector. Coll. Engr., vol. 12, p. 139. ⅔ column.

Detection of Mine Gases. Min. & Sci. Press, vol. 68, p. 41. ⅔ column.

A Fire-Damp Indicator. By A. H. Maurice. T. N. S. I. M. & M. E., vol. 8, p. 28. 5 pages. I.

Observations on a Fire-Damp Indicator. By A. R. Sawyer. T. N. S. I. M. & M. E., vol. 8, p. 33. 5 pages.

The Fire Damp Detector. By W. E. Garforth. T. N. S. I. M. & M. E., vol. 7, p. 270. 7 pages.

Safety Lamp Gauzes and Flame Tests. By J. Ashworth. M. & M., vol. 27, p. 104. 3½ columns. I.

The Proportion of Carbon Dioxide (Choke-Damp) in Air Which Is Extinctive to Flame. By F. Clowes. T. F. I. M. E., vol. 7, p. 419. 9 pages.

Mine Gas Detector. E. & M. J., vol. 82, p. 924. ¾ column.

Professor Brittain's Fire-Damp Detector. E. & M. J., vol. 83, p. 915. Note.

The Beard-Mackie Sight-Indicator for the Measurement of Marsh Gas in Collieries. By M. H. Harrington. T. A. I. M. E., vol. 37, p. 247. 10 pages. I.

The Beard-Mackie Gas-Indicator. By W. H. Hepplewhite. T. I. M. E., vol. 26, p. 214. 5½ pages. I.

The Determination of Fire-Damp in Mines. By P. Habets. T. I. M. E., vol. 26, p. 640. 1 page +.

Method of Detecting Mine Gases. E. & M. J., vol. 84, p. 788. 1½ columns.

The Mccutcheon Gas-Detector. By R. McLaren. T. I. M. E., vol. 31, p. 237. 10 pages. I.

Notes on the Detection and Estimation of Inflammable Gases in Mines by Means of Flame-Caps. By C. Latham. T. I. M. E., vol. 31, p. 136, 14 pages; p. 246, 11 pages.

Coal-Gas and Fire-Damp Indicator. T. I. M. E., vol. 31, p. 711. ½ page.

Gréhaut Eudiometer as a Fire-Damp Indicator. T. I. M. E., vol. 31, p. 712. ¾ page.

Testing Mine Gases. M. & M., vol. 28, p. 196. 3½ columns. I.

Detection of Mine Gases. By R. Jeller. Coll. Engr., & Met. Miner, vol. 17, p. 337. 1 column.

The Smoke Detector Adopted by the Department of Mines and Mining in the State of Ohio. By R. M. Haseltine. M. & M., vol. 18, p. 537. 1 column. I.

Determination of Fire-Damp in French Collieries. By J. Coquillion. T. F. I. M. E., vol. 13, p. 60. 10 pages. I.

The Detection and Estimation of Carbon Monoxide in the Air by the Flame-Cap Test. By F. Clowes. T. F. I. M. E., vol. 13, p. 71. 4 pages. I.

The Detection and Measurement of Fire Damp in Mines. By G. Chesneau. E. & M. J., vol. 56, p. 213. 7 columns. I.

Detecting Small Percentages of Gas by Sight: Experiments Before the Scranton Engineers' Club with the Beard-Mackie Gas-Detector. M. & M., July, 1903, p. 561. 2½ columns.

Fire-Damp and the Safety Lamp. By Ira Remsen. Coll. Engr., vol. 8, p. 282. 4⅔ columns.

Mackie Gas Tester. By E. B. Wilson. M. & M., Apr., 1902, p. 418. 1 column.

The Application of the Hygrometer in Coal-Mines. By H. Davis. T. I. M. E., vol. 35, p. 285. 7 pages. I.

Electro-Barograph for Mines. T. I. M. E., vol. 32, p. 29. 1 page. I.

Respirability of Air in Which a Candle-Flame is Extinguished. By F. Clowes. E. & M. J., vol. 61, p. 515. ⅓ column.

Most Reliable Test for Carbon Monoxide Gas: A Mouse Twenty Times more Sensitive than Man to Gas. E. & M. J., vol. 81, p. 189. Note.

Use of White Mice in Collieries for Testing for Fire Damp. E. & M. J., vol. 81, p. 1243. Note.

Mine Gases and Barometric Pressure

Fire-Damp in Coal Mines as Affected by Atmospheric Pressure. By Herr Nasse. E. & M. J., vol. 28, p. 321. ½ column.

The Barometer in Coal Mines. Am. Jour. Min., vol. 7, p. 17. ⅔ column.

Mining Under Pressure (To Keep Gas in Coal). E. & M. J., vol. 14, p. 347. 1 column.

Atmospheric Pressure: Its Effect on the Exudation of Fire-Damp in Mines. By W. H. Booth. Coll. Engr. & Met. Miner, vol. 14, p. 104. ⅔ column.

Atmospheric Pressure in Mines. Min. & Sci. Press, vol. 26, p. 344. ½ column.

Atmospheric Influences on Gas. T. F. I. M. E., vol. 4, p. 643.

The Barometer and Fire-Damp Explosions. Coll. Engr., vol. 10, p. 209. 2 columns +.

The Barometer as an Indicator of Gas in Collieries. Min. & Sci. Press, vol. 34, p. 10. ⅞ column.

Relation Between Fire-Damp and Barometric Pressure. E. & M. J., vol. 51, p. 287. ½ column.

Influence of Atmospheric Pressure upon the Generation of Fire-Damp in Coal Mines. E. & M. J., vol. 41, p. 23. 1 column.

Atmospheric Pressure in Mines. Am. Jour. Min., vol. 1, p. 97. ½ column.

Tests for and Determination of Gases

A Test for Carbon Monoxide. E. & M. J., vol. 63, p. 603. Note.

New Method of Estimating Carbon Monoxide in Air. E. & M. J., vol. 65, p. 578. Note.

Sampling and Drawing Off Fire-Damp. T. F. I. M. E., vol. 6, p. 255.

Testing for Gas: Kinds of Oil Used; Height of Cap, etc. M. & M., vol. 21, p. 166. 3 columns.

An Explosion Burette for Rapid Gas Analysis. By A. H. Elliott. Sch. Mines Quart., vol. 4, p. 322. 4 pages. I.

An Apparatus for the Rapid Analysis of Mixtures of Gases. By A. H. Elliott. Sch. Mines Quart., vol. 3, p. 16. 4 pages.

The Measurement of Natural Gas with the Pitot Tube. By S. W. Robinson. E. & M. J., vol. 51, p. 261. 2 columns. I.

A Peculiar Mine Gas Test-Analysis. E. & M. J., vol. 82, p. 215. 1 column.

Determination of Carbon Monoxide in Mine-Air. T. I. M. E., vol. 31, p. 713. ½ page.

Carbon Dioxide in the Gard Coal-Field, France. T. I. M. E., vol. 31, p. 714. 1 page.

Apparatus for Assaying Gases. E. & M. J., vol. 57, p. 608. 1½ columns. I.

A Differential Manometer. By F. W. Spur. E. & M. J., vol. 57, p. 419. ½ column.

Experimental Gallery at Altofts Collieries. T. I. M. E., vol. 33, p. 205. 2 pages. I.

Apparatus for Determining the Density of Gases. E. & M. J., vol. 65, p. 518. Note.

The Shaw Gas-Tester for Detecting the Presence and Percentages of Fire-Damp and Choke-Damp in Coal-Mines, etc. By J. R. Wilson. T. F. I. M. E., vol. 8, p. 161, 14 pages, I.; p. 580, 6 pages.

The Shaw Gas Testing Machine. By J. R. Wilson. Coll. Engr. & Met. Miner, vol. 14, p. 1. 3 columns.

The Shaw Gas Testing Machine. Coll. Engr. vol. 13, p. 207. 2⅔ columns. I.

The Shaw Gas Tester. By Chas. Fergie. T. F. C. M. I., vol. 1, p. 263. 8 pages. I.

Experiments with the Shaw Gas-Tester. By P. P. Bedson. T. F. I. M. E., vol. 14, p. 361. 8 pages.

MINING LAW

Mining Law: Its Principles and Applications

The Principles of Mining Law. By C. J. Alford. T. I. M. & M., vol. 9, p. 2. 10 pages.

Mining Laws in the Middle Ages. Am. Jour. Min., vol. 7, p. 168. 1 column.

Mining Law in the Middle Ages: The Mines of the West, Raymond, p. 189. 8 pages.

Notes upon Foreign Mining Laws and Adequate Areas for Mining Concessions. By H. D. Haskold. T. F. I. M. E., vol. 13, p. 160. 13 pages.

The Interstate Commerce Act. E. & M. J., vol. 47, p. 369, 3⅓ columns; p. 391, 3 columns.

Legislation Affecting the Mining Industry. E. & M. J., vol. 74, p. 115. 4½ columns.

Senator Kearn's New Mining Law. E. & M. J., vol. 74, p. 300. 2 columns.

Points in Commercial Law. E. & M. J., vol. 59, p. 557. ½ column.

Mining Law and Its Bearing on the Development of Mines and Mining Districts. By F. C. Loring. T. F. C. M. I., vol. 3, p. 1. 20 pages. I.

Mining Law. By E. P. Clark. Sch. Mines Quart., vol. 5, p. 242. 16 pages.

Early Mining Laws and Locations, Min. & Sci. Press, Feb. 11, 1905. p. 87.

Origin of Our Mining Laws. Min. & Sci. Press, vol. 91, p. 203. 1¼ columns.

Legal Rights of the "Grub Stake." E. & M. J., vol. 83, p. 1133. ⅔ column.

Insecurity of Mining Rights. The Mines of the West, Raymond, p. 221.

Mining Law: Origin of Mining; Mines of the Persians and Egyptians; Ancient Mining in Siberia and Europe; Mining in Greece; Mining in Western Europe (ancient); Mining of the Romans. The Mines of the West, Raymond, p. 179. 10 pages.

Early Mining Laws and Locations. Min. & Sci. Press, vol. 90, p. 87. 1⅔ columns.

The Principles of Mining Laws: The World's Mining Laws. By C. J. Alford. T. I. M. & M., vol. 9, p. 2. 10 pages.

The Defects of the Mining Law and Their Remedies. E. & M. J., vol. 40, pp. 38, 90, 125.

Some Problems in Mining Law. Min. & Sci. Press, vol. 94, p. 471. 2 columns+.

Mining Titles: Loss of Title by Allowing Tributers to Work Mine. Min. & Sci. Press, vol. 69, p. 102. ½ column.

Holding Ground with Prospect Holes. Min. & Sci. Press, vol. 42, p. 345. ⅔ column.

Rights of Crossing Electric Power Lines. E. & M. J., vol. 83, p. 1093. ¼ column.

Mineral Right under Common Law. E. & M. J., vol. 52, p. 2. 2 columns.

Amendment of the Mining Laws. E. & M. J., vol. 78, p. 254. 3 columns.

Right to Open Mines in School Sections. E. & M. J., vol. 36, p. 282. ½ column.

The Rights of the Owner or Possessor of a Lode Mining Claim. By C. Henrich. T. A. I. M. E., vol. 18, p. 881.

Liability of Mine Employer. Min. & Sci. Press, vol. 85, p. 5. ¼ column.

The Rights of Aliens to Mining Property in the United States. Min. & Sci. Press, vol. 34, p. 366. 2 columns.

Mining Engineering and Mining Law. By J. D. Hague. E. & M. J., vol. 78, p. 627. 6⅔ columns.

The Mineral Land Laws. E. & M. J., vol. 78, p. 173. 4 columns.

Mining Claims in River Beds. Min. & Sci. Press, vol. 30, p. 86. ⅓ column.

Gold Law. Gold Mines of the Rand, p. 273. 10 pages.

Certified Mine Positions: States Requiring Certificates, etc. By H. H. Stock. M. & M., vol. 27, p. 425. 4½ columns.

For United States Mining Laws, see Mineral Land Acts and Federal Laws.

Mining Law of the Various States and Countries

Coal-Mining Rules in Alabama. E. & M. J., vol. 81, p. 1153. 1⅔ columns.

Mining Regulations of Alaska. Placer Mining, Chap. 6, p. 42.

Argentina's Laws for Professional Men. E. & M. J., vol. 80, p. 361. ½ column.

The Gold Laws of the Rand. T. N. S. I. M. & M. E., vol. 10, p. 142. 1½ pages.

Mining Regulations of the Late South African Republic. Witwatersrand Goldfields, p. 470. 6 pages.

Notes on the Rhodesian Mining Law. By T. F. Van Wagenen. Min. & Sci. Press, vol. 93, p. 290. 3½ columns.

Mining Laws of Western Australia. Gold Min. & Mil. W. Aus., p. 479. 4 pages.

Review of Western Australian Mining Laws: A Comparison. By G. Hope. Min. & Sci. Press, vol. 81, p. 581. 2¾ columns.

The Australian Mining Laws. By T. A. Rickard. E. & M. J., vol. 58, p. 441. ⅔ column.

Gold-Fields Regulations of Western Australia up to July 12, 1893. T. F. I. M. E., vol. 7, p. 530.

New South Wales Mining Laws. By C. G. W. Lock. T. I. M. & M., vol. 9, p. 12, 3½ pages; p. 39, 2 pages; p. 54, 3 pages.

Bolivian Mining Regulations. E. & M. J., vol. 75, p. 485. ⅔ column.

Mining Laws of the Yukon District. U. S. G. S., 18th Ann. Rept., pt. 3, p. 128. 1¼ pages.

Treagold Concession in the Yukon. E. & M. J., vol. 78, p. 252. 1½ columns.

Yukon Mining Laws. Min. & Sci. Press, vol. 92, p. 241. 2½ columns.

The Ontario Mining Law. E. & M. J., vol. 81, p. 904. ⅞ column.

Mining Regulations of the Northwest, Canada. Placer Mining, Chap. 7, p. 46.

Mineral Lode-Locations in British Columbia. By Wm. Braden. T. A. I. M. E., vol. 28, p. 537.

The Mining Regulations for the Canadian Yukon. E. & M. J., vol. 65, p. 161, 4⅔ columns, I.; p. 338, 1 column.

British Columbia Mining Laws. E. & M. J., vol. 62, p. 1. ½ column.

New Regulations for Nickel Mining in Ontario. E. & M. J., vol. 68, p. 703. 1⅔ columns.

The Mining Law of Ontario, Canada, 1892. By A. Blue. E. & M. J., vol. 53, p. 431. 1 column.

The Mines Law of Ontario. By A. Blue. M. & M., vol. 21, p. 131. 4 columns.

Mining Litigation in British Columbia. E. & M. J., vol. 77, p. 758. 1½ columns. I.

The Ontario Mining Law. By J. M. Clark. J. C. M. I., vol. 3, p. 110. 7 pages.

The Quebec Mining Act. By R. W. Raymond. T. F. C. M. I., vol. 1, p. 97. 12 pages.

The Yukon Region: Canada's Mining Regulations. E. & M. J., vol. 64, p. 249. 1½ columns.

The New Quebec Mining Law. E. & M. J., vol. 51, p. 517. 2⅓ columns.

Synopsis of Mining Laws of British Columbia. Rept. Zinc Comm. Canada, p. 369. 11 pages.

The Revision of the Mines Act of Ontario. By J. M. Clark. J. C. M. I., vol. 9, p. 113. 2 pages.

Yukon Mining Laws. By J. B. Tyrrell. J. C. M. I., vol. 9, p. 115. 10 pages.

Notes on the Legislation Affecting the Working and Regulation of Mines in Nova Scotia. By H. S. Poole. J. M. Soc. N. S., vol. 1, p. 27, pt. 4. 14½ pages.

British Columbia Relocation Law. Min. & Sci. Press, vol. 86, p. 3. Note.

Suggested Improvements to the Mining Laws in Canada. By E. Coste. J. C. M. I., vol. 7, p. 450. 30 pages.

History and Description of Prominent Claims in Tuolumne County. Min. & Sci. Press, vol. 58, p. 354. 4 columns. I.

California's "Two-Shaft" Law. Min. & Sci. Press, vol. 92, p. 67. Note.

Chinese Rules and Regulations for Mining. E. & M. J., vol. 73, p. 827. 1½ columns.

Mining Laws of Perak, China. T. I. M. & M., vol. 6, p. 81.

Mining Regulations for the Jehol Region, China. E. & M. J., vol. 77, p. 433. 3 columns.

Chinese Concessions. By C. D. Jameson. E. & M. J., vol. 80, p. 445. 7 columns.

Chinese Mining Regulations. E. & M. J., vol. 68, p. 549. 1 column.

Colombian Mining Decree. M. & M., Nov., 1902, p. 184. ¼ column.

Mining Laws of Colombia, South America: Mining Claims, etc. T. I. M. & M., vol. 9, p. 65.

Mining Laws, District of Colombia, South America. T. A. I. M. E., vol. 28, p. 85.

Colorado's New Law on Mine Drainage. Min. & Sci. Press, vol. 34, p. 250. 1 column.

Colorado Law Relating to Location and Representation of Placer Mining Claims. E. & M. J., vol. 27, p. 277. ½ column.

The Colorado Mining Law. E. & M. J., vol. 67, p. 617. 2 columns.

Colorado Law Regarding Damage to Surface from Underground Work. Min. & Sci. Press, vol. 89, p. 36. Note.

Mining Law Enacted by the Miners of Gregory, Gilpin County, Colorado, in 1859. Min. & Sci. Press, vol. 93, p. 45. Note.

Mining Laws of the Dutch East Indies. T. I. M. & M., vol. 10, p. 80. 1 page.

First Mining Legislation in England. E. & M. J., vol. 76, p. 919. Note.

Mining Law of the British Empire. By C. J. Alford. 1 volume.

Acts, Rules and Regulations for English Mines. Coll. Working and Management, p. 248. 65 pages.

Irish Legislation on Mining and Coal up to the Year 1800. By H. G. Graves. T. F. I. M. E., vol. 14, p. 179. 12 pages.

The New Mining Law of Ecuador. E. & M. J., vol. 55, p. 317. ½ column.

The Mining Laws of Egypt. T. I. M. & M., vol. 9, p. 54. 1 page.

The Code of France (Mining). By R. W. Raymond. The Mines of the West, p. 204. 1¾ pages.

Modern German Codes (Mining). The Mines of the West, by R. W. Raymond, p. 199. 5½ pages.

The New Mining Law of Idaho. E. & M. J., vol. 60, p. 31. 3 columns.

Cœur d'Alene Mining Laws: Local. Min. & Sci. Press, vol. 48, p. 206. ¾ column.

Mining Regulations in Korea. E. & M. J., vol. 61, p. 329. ½ column.

Korean Mining Law. Min. & Sci. Press, vol. 93, p. 631. 1 column.

A Synopsis of the Mining Laws of Mexico. By R. E. Chism. T. A. I. M. E., vol. 32, p. 3.

Gold Mining Concessions in Mexico. By W. P. Blake. E. & M. J., vol. 58, p. 296. ⅓ column.

The Mining Law of the United States of Mexico, July 1, 1892. By W. H. Trewartha-James. T. I. M. & M., vol. 9, p. 16. 8 pages.

Results of the New Mexican Mining Laws. E. & M. J., vol. 81, p. 180. 1 column.

Historical Sketch of Mining Legislation in Mexico. By E. M. Baca. T. A. I. M. E., vol. 32, p. 520.

One Feature of the Mexican Mining Law. E. & M. J., vol. 78, p. 421. 2¾ columns. I.

The New Mining Code of Mexico. By R. E. Chism. E. & M. J., vol. 39, p. 385, 2 columns; p. 425, 2½ columns; p. 443, 6½ columns.

The New Mining Code of Mexico. By R. E. Chism. T. A. I. M. E., vol. 14, p. 34.

Notes on the Mining Law of Mexico. By W. P. Blake. E. & M. J., vol. 39, p. 74. ½ column.

Prospecting (Law) for Petroleum in Mexico. E. & M. J., vol. 73, p. 306. ¾ column.

The Montana Mining Law. E. & M. J., vol. 60, p. 74, 2¼ columns; p. 81, 3 columns.

Mineral Rights in Missouri. T. A. I. M. E., vol. 21, p. 8.

The Revised Nevada Mining Law. E. & M. J., vol. 83, p. 997. 2 columns.

The New Florida Phosphate Law: Legislation Regarding Mining of Phosphate Rock in Beds of Navigable Rivers. E. & M. J., vol. 52, p. 40. ½ column.

The New Mining Law of New York. By R. W. Raymond. T. A. I. M. E., vol. 24, p. 712.

New York Mining Law. By R. W. Raymond. T. A. I. M. E., vol. 16, p. 770.

The Franklinite and Zinc Litigation Concerning the Deposits of Mine Hill at Franklin Furnace, Sussex County, New York. By J. C. Platt. T. A. I. M. E., vol. 5, p. 580.

The New York Mining Law. By R. W. Raymond. E. & M. J., vol. 58, p. 560, 2 columns; p. 580, 1½ columns.

Oregon's First Mining Code. Min. & Sci. Press, vol. 83, p. 132. ⅓ column.

Notes on the Prussian Mining Law with Regard to the Mine. By A. R. Sawyer. T. N. S. I. M. & M. E., vol. 5, p. 113. 21 pages.

Mining Laws of Switzerland. The Mines of the West, Raymond, p. 206. ½ page.

Mining Law of England. The Mines of the West, Raymond, p. 206. 6 pages.

Mining Regulations of Australia. The Mines of the West, Raymond, p. 212. ¼ page.

Mining Laws of Canada. The Mines of the West, Raymond, p. 212. 2½ pages.

The Pennsylvania Anthracite Law. By R. W. Raymond. E. & M. J., vol. 80, p. 646. 5 columns.

New Anthracite Mine Law. E. & M. J., vol. 51, p. 698, 2¼ columns.

Ventilation Law of 1870 of Pennsylvania. Rept. Inspr. Mines Pa., 1876, p. 72, 9 pages; p. 136, 9 pages; 1873, p. 45, 8 pages.

Amending the Pennsylvania Mine Laws. E. & M. J., vol. 80, p. 732. 1½ columns.

The Bituminous Mining Law of Pennsylvania. By C. Dixon. M. & M., vol. 27, p. 58. 4½ columns.

The New Bituminous Mine-Law. Coll. Engr., vol. 11, p. 241. 12 columns.

The Law of the Apex. By Max Boehmer. E. & M. J., vol. 78, p. 55. 3 columns.

Mine Laws: Anthracite. 2d. Geol. Survey Pa., A.C., p. 493. 31 pages.

Pennsylvania Miners' Certificate Law. E. & M. J., Mar. 16, 1905, p. 537.

Rules and Regulations for the Government of the Workmen Employed at the Collieries of the Philadelphia and Reading Coal and Iron Company in 1875. Rept. Inspr. Mines Pa., 1875, p. 70. 1 page.

Mining Law for the Philippines. E. & M. J., vol. 73, p. 343, 2½ columns; p. 446, ¼ column; vol. 79, p. 1035, 1½ columns.

The New Russian Mining Law. E. & M. J., vol. 53, p. 644. 1 column.

Mining Laws and Legislation in Santo Domingo. By F. L. Garrison and A. Chalas. E. & M. J., vol. 84, p. 588. 2½ columns.

Mining Law of San Domingo. E. & M. J., vol. 78, p. 678. ½ column.

Swedish Mining Law. E. & M. J., vol. 65, p. 282. Note.

Norwegian Mining Law. T. I. M. & M., vol. 9, p. 24. 13½ pages.

Norwegian Mining Laws. By A. R. Canning. T. I. M. & M., vol. 9, p. 24. 15 pages.

Mining Titles on Spanish Grants in the United States. By R. W. Raymond. T. A. I. M. E., vol. 25, p. 844.

The Spanish Mining Law. By R. W. Raymond. The Mines of the West, p. 196. 2½ pages.

Mineral Claims in Texas. By W. B. Phillips. E. & M. J., vol. 73, p. 77. 1¾ columns.

The Field Mining Law, Washington. M. & M., vol. 20, p. 176. 2 columns.

New Coal Mining Regulations in West Virginia. E. & M. J., vol. 71, p. 460. ⅞ column.

Mineral Land Acts and Federal Mining Laws

Private Rights in Forest Reserves. Min. & Sci. Press, vol. 89, p. 393. 3½ columns. I.

The Mineral Land Act to Cover Placer Claims. E. & M. J., vol. 6, p. 298. 1 column.

The American Law Relating to Minerals. By C. H. Shamel. Sch. Mines Quart., vol. 27, p. 1. 27 pages.

American Mining Code. By H. N. Copp. 1903. 1 volume.

The Law of Mines and Mining in the United States. By D. M. Barrington and J. S. Adams. 1900. 1 volume.

A Treatise on the American Law Relating to Mines and Mineral Lands. By C. H. Lindey. 1897. 2 volumes.

Defects in the United States Mining Laws. Min. & Sci. Press, vol. 39, p. 200. 1¾ columns.

Mining Laws and Regulations. Min. & Sci. Press, vol. 39, p. 264. 1½ columns.

A Mining Law Reminiscence. Min. & Sci. Press, vol. 50, p. 348. 2 columns.

Amendments to Federal Mining Law. By R. S. Morrison. M. & M., vol. 26, p. 294. 2½ columns.

Some Weak Points in the Mining Law. M. & M., vol. 26, p. 309. 1¼ columns.

The Operation of the United States Mining Law. By R. W. Raymond. E. & M. J., vol, 53, p. 4. 1½ columns.

The Mining Law. E. & M. J., vol. 80, p. 116. 2⅓ columns.

The Federal Mining Law. E. & M. J., vol. 52, p. 419. 2 columns.

The Federal Mining Law in Its Relation to the Degree of Dip of Lodes. E. & M. J., vol. 52, p. 562. 2 columns.

States in which Aliens have Equal Rights with Citizens. Min. & Sci. Press, vol. 81, p. 279. Note.

United States Mining Laws. By C. W. Goodale. E. & M. J., Feb. 2, 1905, p. 222. 6½ columns. I.

The Alien Act. E. & M. J., vol. 44, p. 55, 1½ columns; p. 73, ½ column.

Mining Rights in the Western States and Territories. By R. S. Morrison and Emilio De Soto. 1 volume.

The United States Geological Survey and Mine Litigation. E. & M. J., vol. 76, p. 841, 1 column; p. 845, 2 columns.

National Mining Legislation. E. & M. J., vol. 76, p. 881. 2 columns.

The United States Mining Law. E. & M. J., vol. 9, pp. 2, 18, 35.

Construction of the United States Mining Statutes. Min. & Sci. Press, vol. 35, p. 153. 7½ columns.

The Mining Laws. Min. & Sci. Press, vol. 35, p. 328. 2⅓ columns.

The Mining Law, Feb. 8, 1871. E. & M. J., vol. 11, p. 122. 2½ columns.

Our Mining Laws. E. & M. J., vol. 52, p. 421. 1½ columns.

The Federal Mining Law. E. & M. J., vol. 52, p. 564. 1 column.

The United States Mining Law, 1872. E. & M. J., vol. 13, p. 347. 4¼ columns.

United States Mining Laws. By J. H. Harper. E. & M. J., Mar. 9, 1905, p. 463. 5 columns.

The Law of the Apex. By R. W. Raymond. E. & M. J., vol. 38, p. 74, 2¾ columns; p. 89, 4¾ columns; p. 105, 2 columns; p. 126, 4 columns; p. 142, 1½ columns; p. 192, 4 columns; p. 212, 5 columns.

United States Mining Laws. By C. W. Purington. E. & M. J., Mar. 30, 1905, p. 622. 3 columns.

United States Law Regarding Coal Lands. Min. & Sci. Press, vol. 86, p. 259. ⅓ column.

The Alien Land Law. Min. & Sci. Press, vol. 74, p. 278. 1½ columns.

A Proposed Amendment of the Mineral Land Laws. By G. A. Packard. E. & M. J., vol. 79, p. 796. 8 columns.

Relocating Mineral Lands. By R. W. Raymond. E. & M. J., vol. 84, p. 103. 5 columns.

Rights to Minerals on Railroad Lands. By C. De Kalb. Min. & Sci. Press, vol. 93, p. 756. 1½ columns.

Mining Titles: The Mineral Land Act to Cover Placer Claims. Min. & Sci. Press, vol. 17, p. 217. 1⅔ columns.

United States Mining and Regulations Thereunder. Min. & Sci. Press, vol. 25, p. 74, 2 columns; p. 86, 2¾ columns; p. 102, 3 columns; p. 118, 1½ columns; p. 134, 2 columns.

The National Mineral Land Act. Min. & Sci. Press, vol. 13, p. 104. 1⅓ columns. I.

Weak Points of the Federal Law in Relation to Mineral Lands. By G. W. Riter. E. & M. J., vol. 83, p. 184. 3 columns. I.

“Liew” Lands. Min. & Sci. Press, vol. 82, p. 229. Note.

Agricultural and Mineral Lands. Min. & Sci. Press, vol. 17, p. 50. 1¾ columns.

The Reform of the United States Mineral Land Law. By R. W. Raymond. E. & M. J., vol. 83, p. 1097. 3½ columns.

Mining and the Forest Reserves. By G. Pinchot. T. A. I. M. E., vol. 28, p. 339.

For further information on Mining Law, see Mining Law.

Extra-Lateral Rights and the Law of the Apex

The Right of Lateral Pursuit. By W. P. Butler. Sch. Mines Quart., vol. 7, p. 357. 2 pages.

“Cross Veins or Lodes”: Ruling. Min. & Sci. Press, vol. 92, p. 3. ⅓ column.

Origin of Extra-Lateral Right in the United States Mining Law. E. & M. J., vol. 73, p. 406. 3 columns.

End-Lines and Side-Lines in the United States Mining Law. By R. W. Raymond. T. A. I. M. E., vol. 17, p. 787.

The Course-Downward and End-Lines of a Claim. T. A. I. M. E., vol. 12, p. 429.

The Mineral Land Law. By R. W. Raymond. E. & M. J., vol. 77, p. 958, 2⅙ columns; p. 1036, 1½ columns.

The Question of Extra-Lateral Rights. By A. H. Wethey. E. & M. J., vol. 61, p. 40. 4⅙ columns. I.

The Extra-Lateral Right. E. & M. J., vol. 78, p. 862. 3 columns. I.

Relation of Apex and Side Lines in Locating a Claim. Min. & Sci. Press, vol. 86, p. 37. 1 column. I.

Notes Regarding the Location of Claims. Min. & Sci. Press, vol. 86, p. 67. 1 column.

The Extra-Lateral Right Law. Min. & Sci. Press, vol. 89, p. 360, 3 columns; p. 437, 2 columns; vol. 90, p. 37, 1 column+.

Side Lines of Mining Claims. Min. & Sci. Press, vol. 53, p. 51. ⅞ column.

The Apex vs. the Square Locations. Min. & Sci. Press, vol. 56, p. 280. ¾ column.

Side and End Lines of Claims. Min. & Sci. Press, vol. 68, p. 162, ½ column, I.; p. 181, 2½ columns, I.

Apex and Side Lines. Min. & Sci. Press, vol. 68, p. 213. 2⅕ columns. I.

Mine Legislation. By G. M. Williams. M. & M., vol. 19, p. 104. 3 columns.

Law of the Apex. E. & M. J., vol. 40, p. 381. 1 column.

The Apex Law. By C. W. Purington. M. & M., vol. 27, p. 180. 4¼ columns. I.

A Remedy for the Law of the Apex. By James Douglas. E. & M. J., vol. 84, p. 975. 2½ columns.

What is the Apex-Right Worth? By R. W. Raymond. E. & M. J., vol. 73, p. 544. 2 columns.

The Law of the Apex. By Max Boehmer. E. & M. J., July 14, 1904, p. 55.

The Law of the Apex. By R. W. Raymond. T. A. I. M. E., vol. 12, pp. 387, 677.

What is the Top or Apex of a Vein or Lode? T. A. I. M. E., vol. 12, p. 413.

New Apex Tunnel Decisions. By F. T. Freeland. E. & M. J., vol. 59, p. 365. 2¼ columns. I.

Proposed “Replacement” of the Law of the Apex. E. & M. J., vol. 78, p. 213. 4 columns. I.

Claims, Taxes, Assessments and Locations

The Original Quartz Claim in Grass Valley, California, was 30 by 40 Feet. Min. & Sci. Press, vol. 81, p. 120. Note.

Diamond Claims on the Vaal River. T. I. M. & M., vol. 13, p. 528. 1 page.

Size of Mineral Land Lots in Georgia Gold Fields. E. & M. J., vol. 26, p. 206. Note.

Linear vs. Square Claims. Min. & Sci. Press, vol. 13, p. 66. 1½ columns.

Mining Claims in Square Locations. Min. & Sci. Press, vol. 40, p. 201. ½ column. I.

Square Locations. Min. & Sci. Press, vol. 40, p. 217. 1 column. I.

Mining Claims in Diamond Fields of South Africa. Diamond Mines of South Africa, pp. 165, 169, 175, 176.

Size of Claims (Gravel) at Nome, Alaska. E. & M. J., vol. 69, p. 106. Note.

Size of Mining Claims at Boulder County, Colorado, and Elsewhere in the United States. T. I. M. E., vol. 19, p. 323. Note.

Location of Mining Claims: Square and Other Methods Considered. By J. H. Morton. E. & M. J., vol. 26, p. 331. 1 column.

Mexican Taxes on Gold and Silver. E. & M. J., vol. 56, p. 486. ⅔ column.

New Mining Regulations in Chihuahua, Mexico. E. & M. J., vol. 80, p. 1108. 1 column.

Taxes on Bullion. E. & M. J., vol. 76, p. 380. 1 column.

Mexican Bullion Tax. Min. & Sci. Press, vol. 87, p. 367. Note.

Amount of Assessment Work Required where Placer Claims are Taken by a Number of Parties, Being Co-partners. Min. & Sci. Press, vol. 84, p. 45. Note.

Taxation of Mining Property in Mexico. E. & M. J., vol. 79, p. 663. 3 columns.

Assessment Work (on Claims). Min. & Sci. Press, vol. 49, p. 167. ⅔ column.

Annual Assessment: Regulations in Various States. Min. & Sci. Press, vol. 91, p. 322. 2½ columns.

Taxing Mining Claims. Min. & Sci. Press, vol. 16, p. 264. ⅔ column.

Assessment Work on Claims. E. & M. J., vol. 77, p. 127. 1 column.

Value of Undeveloped Mining Claims. By G. R. Mickle. J. C. M. I., vol. 8, p. 111. 8 pages. I.

Blank Forms Used in Connection with Annual Expenditure on Claims. Min. & Sci. Press, vol. 51, p. 404. 1¾ columns.

Notices and Certificates of Locations. Min. & Sci. Press, vol. 75, p. 408. 2¼ columns.

The New Law as to Locations, California. Min. & Sci. Press, vol. 74, p. 230. 1⅓ columns.

How to Locate a Mineral Lode. Min. & Sci. Press, vol. 37, p. 162. ½ column.

Amount of Ground Subject to Location. Min. & Sci. Press, vol. 35, p. 248. 1 column.

Surface Boundaries of Quartz Claims. Min. & Sci. Press, vol. 37, p. 8. 1 column.

Relocating and Jumping: What Constitutes $100 Worth of Labor and Improvements. Min. & Sci. Press, vol. 40, p. 87. ½ column.

Locating and Describing Mining Claims: Who may take up Claims on Public Lands and How it should be Done? Min. & Sci. Press, vol. 35, p. 81. 2½ columns.

Lode Locations: A Discussion of Recent Decisions of the Supreme Court under the United States Mining Law. By R. W. Raymond. T. A. I. M. E., vol. 15, p. 272.

What is a Lode? T. A. I. M. E., vol. 12, pp. 392, 393, 394, etc.

A Question of Claim Location. E. & M. J., vol. 64, p. 513. ½ column.

Location before Discovery. E. & M. J., vol. 65, p. 186. 1¾ columns.

Location without Discovery. E. & M. J., vol. 65, p. 216. 1½ columns.

Patent Records and Monuments. M. & M., Nov., 1904, p. 206.

The Condemnation of Non-Mineral Land for Mining Purposes. E. & M. J., vol. 36, p. 213. 1 column.

Forms of Locations for Prospectors: Notice of Location; Proof of Location; Notice of Water Right; and Preëmption of Right-of-way of Ditch. Min. & Sci. Press, vol. 44, p. 192. 1 column.

Scrip and the Law of Title to Oil Lands. By A. H. Ricketts. Min. & Sci. Press, vol. 80, p. 373, 2¾ columns; p. 400, 2½ columns; p. 428, 2⅓ columns.

Posts as Monuments for Claims. Min. & Sci. Press, vol. 82, p. 59. Note.

Abandonment of Claims. Min. & Sci. Press, vol. 30, p. 188. ⅞ column.

Preëmption of Mining Claims. E. & M. J., vol. 6, p. 59. 1 column.

Tunnel Rights

New Tunnel Site Statute. Min. & Sci. Press, vol. 76, p. 487. ½ column.

Tunnel Rights. E. & M. J., vol. 55, p. 26. 2¾ columns.

United States Law Regarding Tunnel Locations: Sutro an Exception. Min. & Sci. Press, vol. 86, p. 19. Note.

The Law in Tunnel Site Cases. Min. & Sci. Press, vol. 90, p. 303. 7½ columns.

The Rights of Tunnel Owners. Min. & Sci. Press, vol. 75, p. 26. ⅓ column.

Tunnel Rights. Min. & Sci. Press, vol. 77, p. 555. ⅓ column.

Tunnel Locations. Min. & Sci. Press, vol. 46, p. 152. 2¼ columns.

Tunnel Rights. Min. & Sci. Press, vol. 25, p. 74. ⅞ column.

Law of Deep Tunnel Railroad. Engineering, London, vol. 71, p. 18. 2 columns.

Tunnel Law. Min. & Sci. Press, vol. 31, p. 306. ½ column.

The Tunnel Section. E. & M. J., vol. 14, p. 169. 1¾ columns.

Mining Tunnel Rights. E. & M. J., vol. 14, p. 362. 1½ columns.

Riparian and Water Rights

Right to Divert Water for Placer Mining. E. & M. J., vol. 75, p. 567. Note.

Water Rights in California. By S. C. Wiel. Min. & Sci. Press, vol. 89, p. 406, 1¾ columns; p. 421, 2¾ columns; p. 439, 2¾ columns; vol. 90, p. 6, 5 columns; p. 25, 2¾ columns.

Water Rights in California. Min. & Sci. Press, vol. 45, p. 82, 2 columns; vol. 49, p. 84, 1 column.

Riparian Rights. Min. & Sci. Press, vol. 49, p. 310. ⅞ column.

The Common Law and Riparian Rights. Min. & Sci. Press, vol. 49, p. 358. 2½ columns.

Ownership of Water. Min. & Sci. Press, vol. 49, p. 374. 1¼ columns.

The Appropriation of Water. Min. & Sci. Press, vol. 50, p. 94. 2⅞ columns.

Placers and Water Rights. Min. & Sci. Press, vol. 50, p. 410. ⅔ columns.

Right to the Use of Water. Min. & Sci. Press, vol. 57, p. 222. ½ column.

Water Right: Decision. Min. & Sci. Press, vol. 63, p. 213, ¾ column; p. 311, ⅔ column.

Water Rights. Min. & Sci. Press, vol. 68, p. 38. ½ column.

Irrigation and Water Rights. Min. & Sci. Press, vol. 42, p. 22. 3 columns.

Water Rights. Min. & Sci. Press, vol. 42, p. 40. ¼ column.

California Water Rights. Min. & Sci. Press, vol. 43, p. 362. 1½ columns.

Rights of Land to Water. Min. & Sci. Press. vol. 34, p. 166. 2⅓ columns.

Miners' Water Rights. Min. & Sci. Press, vol. 34, p. 106. 2½ columns.

The Rights of Riparian Owners. Engineering, London, vol. 69, p. 19. 3 columns.

California Riparian Rights. Min. & Sci. Press, vol. 85, p. 20. Note.

Right of Way of Mining Ditches. Min. & Sci. Press, vol. 46, p. 95. 1 column.

Decisions

Legislation and the Ownership of Properties Containing Coal. By D. Jones. T. I. M. E., vol. 272. 6 pages.

Eminent Domain in Mining. Min. & Sci. Press, vol. 73, p. 374. 2½ columns.

What are Minerals: An Enumeration of what the Mining Laws Recognize. Min. & Sci. Press, vol. 45, p. 280. 1¾ columns.

Tax on Mines: Decision. Min. & Sci. Press, vol. 34, p. 347. 1 column.

Delinquent Taxes on Mines. Min. & Sci. Press, vol. 35, p. 25. ½ column.

Town Sites and Mines. Min. & Sci. Press, vol. 40, p. 134, ⅞ column; p. 390, ½ column.

The United States Supreme Court and the United States Mining Law. By R. W. Raymond. E. & M. J., vol. 81, p. 265. 4½ columns.

The Wyoming-Champion Case. E. & M. J., vol. 58, p. 194, 1½ columns; p. 196, 6 columns, I.

The Providence-Champion Decision. E. & M. J., vol. 58, p. 242. 2½ columns.

Important Mining Decision Regarding Mining Claims on School Sections. Min. & Sci. Press, vol. 23, p. 401. 1½ columns.

The Emma Mining Suit. Min. & Sci. Press, vol. 25, p. 72. 1½ columns.

Mill-Sites. Min. & Sci. Press, vol. 25, p. 118. ½ column.

Important Decision Regarding the Mine-Ventilation Law. E. & M. J., vol. 13, p. 139. 1⅞ columns.

The Emma Suit. E. & M. J., vol. 14, p. 89. 1 column.

The Emma-Illinois Case. E. & M. J., vol. 14, p. 393. 2 columns.

Mining Partnership: Effect of Sale of Member's Interest, and Co-tenancy of Mine-Accounting for Profits. E. & M. J., vol. 32, p. 187. 1 column.

Mining Lease: Royalty, Amount to be Mined. E. & M. J., vol. 32, p. 236. ⅔ column.

The Width of Lode Claims. E. & M. J., vol. 27, p. 197. 3 columns.

End-Lines and Cross-Veins. E. & M. J., vol. 27, p. 403. 2 columns.

The Eureka-Richmond Case. E. & M. J., vol. 31, p. 333. 1½ columns.

Side-Lines and End-Lines: Important Mining Decision. E. & M. J., vol. 29, p. 370. 2 columns. I.

Damage from Furnace Smoke Denied. E. & M. J., vol. 17, p. 152. 1 column.

Mine Poisons in the West. E. & M. J., vol. 17, p. 213. 1 column.

The Liability of Mine Owners Who Flood Adjoining Mines. E. & M. J., vol. 18, p. 100. ⅓ column.

The Emma Decision. E. & M. J., vol. 15, p. 59. ⅓ column.

The "Known Lode" Again: Iron Silver Mining Company *vs.* Sierra Nevada. E. & M. J., vol. 49, p. 557. 2 columns.

A New End-Line Decision. E. & M. J., vol. 49, p. 725. 2⅔ columns.

An End Line Case. E. & M. J., vol. 47, p. 84, 2 columns, I.; p. 109, 3 columns, I.

Town-Site vs. Mineral Claimants. E. & M. J., vol. 35, p. 252, 2½ columns; vol. 34, p. 28, ⅔ column; p. 33, ¼ column.

Decisions in the Coxe Case: Railroad Tariffs on Sizes, etc. E. & M. J., vol. 51, p. 352. 1⅔ columns.

Motion to Dislodge Temporary Injunction Against Removal of Ore from Disputed Ground. E. & M. J., vol. 36, p. 342. 2 columns.

Culm-Heaps Not Taxable Property. E. & M. J., vol. 78, p. 919. ½ column.

Right of Surface Support. E. & M. J., vol. 78, p. 998. ½ column.

Coal Mine Refuse in Montana: Stream Pollution. E. & M. J., vol. 78, p. 1040. ½ column.

Laws in Regard to Mining Claims. M. & M., vol. 26, p. 117. ½ column.

Iron and Silver vs. Reynolds Case in the Supreme Court. E. & M. J., vol. 45, p. 105. 1 column.

The Mike and Starr Cases: Decisions of the U. S. Supreme Court. E. & M. J., vol. 53, p. 350, 2½ columns; p. 396, 1½ columns; p. 402, 4⅙ columns.

Patent Equivalents. By E. Starek. Sch. Mines Quart., vol. 11, p. 122. 16 pages.

Patent Processes. By E. Starek. Sch. Mines Quart., vol. 10, p. 102. 14 pages.

Pumping Contract. E. & M. J., vol. 51, p. 288. Note.

The Sultana-Ophir Case. E. & M. J., vol. 72, p. 93. 1½ columns.

Decision of the Supreme Court in the South Carolina Phosphate Case. E. & M. J., vol. 53, p. 449. 3½ columns.

The Enterprise Tunnel Decision. E. & M. J., vol. 63, p. 514. 2 columns.

A Notable Mining Lawsuit. By H. M. Beadle. E. & M. J., vol. 56, p. 267. 1½ columns.

The Last Chance Decision. E. & M. J., vol. 66, p. 66, 4½ columns, I.; p. 92; p. 95, 4 columns; p. 123; p. 127, 4¾ columns; p. 152; p. 182; p. 490, ⅔ column.

The Providence-Champion Decision. E. & M. J., vol. 66, p. 214, 2 columns; pp. 303, 362, 2 columns, I.

An Important Opinion: Judge Dean, of the Pennsylvania Supreme Court, Hands Down a Peculiar Opinion in a Coal Land Suit. Coll. Engr. & Met. Miner, vol. 17, p. 140. 3 columns.

The Durant-Emma Case. By W. P. Butler. Sch. Mines Quart., vol. 8, p. 235. 4 pages.

The Eureka-Beck Decision. E. & M. J., vol. 41, p. 206. 2 columns. I.

Some New Mining Cases. By W. P. Butler. Sch. Mines Quart., vol. 7, p. 197. 13 pages. I.

The Montana Supreme Court on the "Pennsylvania" Case. E. & M. J., vol. 75, p. 120, 5 columns; p. 852, 3½ columns.

The Latest Montana Mining Decision. By R. W. Raymond. E. & M. J., vol. 75, p. 703. 4 columns.

The Latest Decision of the Montana Supreme Court in the Pennsylvania Case. E. & M. J., vol. 75, p. 704. 2½ columns. D.

What Constitutes a "Mineral Vein" within the Meaning of the Law. Min. & Sci. Press, vol. 31, p. 274. ¾ column.

"Vein Apex": Decision. Min. & Sci. Press, vol. 92, p. 3. ¼ column.

The Stemwinder and Bunker Hill "Extra-lateral Right" Suit. Min. & Sci. Press, vol. 92, p. 40. 2⅓ columns. I.

The Grand Central-Mammoth Decision. Min. & Sci. Press, vol. 92, p. 158, 5½ columns, I.; p. 181, 5 columns.

Mining Royalties

Coal Royalties. J. M. Soc. N. S., vol. 1, pt. 1, p. 13. 22 pages.

Sliding-Scale Royalty. By L. D. Huntoon. M. & M. vol. 28, p. 490. 3 columns.

Landlord's Dues in Cornwall. E. & M. J., vol. 82, p. 936. ⅔ column.

Value of Coal Lands: Royalties. M. & M., vol. 21, p. 23. ½ column.

The Sutro Tunnel: Agreement Between Tunnel Company and Mining Companies Regarding Royalties, etc. By A. Sutro. E. & M. J., vol. 28, p. 357. ⅔ column.

Royalties in Coal Mining. E. & M. J., vol. 23, p. 241, 1¼ columns; p. 256, 1½ columns.

Coal and Iron Ore Royalties. E. & M. J., vol. 40, p. 19. ½ column.

Leasing at Cripple Creek. E. & M. J., vol. 78, p. 941. 2 columns.

Anthracite Coal Royalties: Small Coal. E. & M. J., vol. 79, p. 1057. ¾ column.

Mining Royalties. Coll. Guard., London. vol. 59, p. 172, ½ column.

Royalties: Silver. T. A. I. M. E., vol. 25, pp. 110–112.

Royalties on South Carolina Phosphate. E. & M. J., vol. 51, p. 438.

Mining Royalties (Petroleum), Eastern Europe. T. F. I. M. E., vol. 3, p. 704.

MINE LIGHTING

Illumination of Mines and Buildings, etc.

Mine Illumination. By W. W. Smyth. E. & M. J., vol. 22, p. 428. 2 columns.

The Illumination of Mines in Japan. E. & M. J., vol. 36, p. 306. 1⅓ columns.

Air Gas for Lighting Mines. Min. & Sci. Press, vol. 33, p. 435. 1¼ columns.

Illumination in the Rand Mines. Witwatersrand Gold-Fields, p. 391. 1¾ pages. I.

Photometric Value of, and Notes upon, Various Illuminants Used in Mines. By A. H. Stokes. T. F. I. M. E., vol. 10, p. 135, 26 pages; p. 438, 4 pages.

Regulating Mine Lighting. E. & M. J., vol. 71, p. 428. ½ column.

Light for Hydraulic Mining. Min. & Sci. Press, vol. 18, p. 193. ⅔ column.

Lighting Mines from Without: Sending Reflected Light into the Mine through Tubes. Min. & Sci. Press, vol. 32, p. 19. ⅓ column.

The Wells Light. Coll. Engr., vol. 10, p. 123. 2 columns. I.

Reflectors in Mines. E. & M. J., vol. 77, p. 611. ⅓ column.

Lighting Mill Buildings. By C. A. Raymond. E. & M. J., vol. 80, p. 209. 1⅓ columns.

Lighting of Workshops and Mills. E. & M. J., vol. 76, p. 359. ½ column.

The Kitson System of Petroleum Incandescent Light. By A. Kitson. T. I. M. E., vol. 27, p. 52. 4½ pages.

Remarks on the Use of the Plummet Lamp in Underground Surveying. By E. B. Coxe. T. A. I. M. E., vol. 1, p. 378.

An Improved Mining Lamp for Engineers. By P. Frazer. T. A. I. M. E., vol. 10, p. 498.

Incandescent Gas Light Patents. E. & M. J., vol. 61, p. 207. 2⅙ columns.

The Fahnehjelm Water-Gas Incandescent Light. By R. W. Raymond. T. A. I. M. E., vol. 13, p. 742.

The Roberts Shot-Firing Lamp. T. F. I. M. E., vol. 3, p. 129. 1 page. I.

Luminous Paint: Prosposed New Light for Mines. T. N. S. I. M. & M. E., vol. 5, p. 59. 2 pages.

Electricity for Mine Lighting

Electricity as Applied to Collieries; with Special Reference to the Comparative Cost of Other Illuminants. By T. M. Winstanley-Wallis. T. N. S. I. M. & M. E., vol. 10, p. 28. 13 pages.

Notes on Underground Lighting by Electricity. By J. Daw. T. I. M. & M., vol. 5, p. 132.

The Neu-catrice Portable Electric Lamp for Miners. T. I. M. E., vol. 26, p. 152. 4 pages. I.

Portable Electric Mining Lamp. E. & M. J., vol. 58, p. 513. ⅓ column. I.

Electric Lamps for Miners. Am. Jour. Min., vol. 3, p. 21. ½ column.

The Coad Electric Miners' Lamp. By H. White. T. F. I. M. E., vol. 4, p. 151. 3 pages.

Electric Lamps in Coal Mines: Danger of. M. & M., vol. 26, p. 110. ⅓ column.

An Apparatus for Lighting Miners' Safety or Other Enclosed Lamps by Electric Current. By E. Brown. T. I. M. E., vol. 23, p. 186. 5 pages. I.

The Sussmann Electric Miners' Lamp. By W. O. Wood. T. I. M. E., vol. 21, p. 189. 10 pages. I.

Electric Lamps in Coal Mines. E. & M. J., vol. 59, p. 316. ½ column.

The Electric Light in Mining Operations. By W. Baxter. E. & M. J., vol. 62, p. 6. 1 column.

Electric Lighting and Blasting. Machinery for Metalliferous Mines, pp. 504–515.

Electric Lamp for Miners. Min. & Sci. Press, vol. 81, p. 282.

Electrically Lighted Mines. Min. & Sci. Press, vol. 84, p. 17.

The Sussmann Electric Lamp for Miners. E. & M. J., vol. 65, p. 344. 1 column. I.

Portable Electric Mine Lamp. M. & M., Dec., 1901, p. 195. 1 column.

Electric Lighting of a Quarry. E. & M. J., vol. 63, p. 575. ½ column.

Acetylene Gas for Mine Lighting

On Some Properties of Acetylene. By F. C. Phillips. P. E. Soc. W. Pa., vol. 12, p. 19. 8 pages.

Sluchlik Acetylene Safety-Lamp. T. I. M. E., vol. 31, p. 706. ¾ page.

Acetylene: A New Illuminant. By M. Hempel. J. W. Soc. E., vol. 1, p. 95. 1 page.

A Portable Acetylene Mine Lamp. M. & M., vol. 28, p. 319. ⅔ column. I.

Acetylene Safety Lamps. By L. H. Hodson. T. I. M. E., vol. 32, p. 305. 2½ pages.

Use of Acetylene Light in Mines. E. & M. J., vol. 83, p. 95. Note.

Acetylene Safety Lamps. By L. H. Hodgson. E. & M. J., vol. 84, p. 499. 1½ columns.

Acetylene Lamps Newhouse Tunnel. Min. & Sci. Press, vol. 94, p. 626. ¾ column.

Acetylene Lamps for Mines. By F. W. Parsons. E. & M. J., vol. 82, p. 111. 2¾ columns. I.

The Wolf Acetylene Mine Lamp. M. & M., vol. 27, p. 189. 2 columns. I.

Calcium Carbide and Acetylene. By F. Wyatt. E. & M. J., vol. 58, p. 556. 2½ columns. I.

A New Mine Lamp Using Acetylene Gas. E. & M. J., vol. 72, p. 465. 2 columns. I.

The Baldwin Acetylene Lamp: A New Lamp for Mine Use Designed to Afford Illumination and Purer Air by Using Acetylene Gas. M. & M., April, 1902, p. 400. 3 columns.

The Standard Acetylene Mine Lamp. M. & M., Sept., 1902, p. 64. 1½ columns.

A Miners' Lamp for Using Acetylene Gas. E. & M. J., vol. 69, p. 203. ½ column. I.

Oil Used in Mine Lamps, Candles, etc.

Miners' Lamp Oil. Rept. Inspr. Mines Pa., 1880, p. 74, 1 page; p. 204, 1½ pages.

Kerosene, "The World's Light," and Mixed Oils. Rept. Inspr. Mines Pa., 1879, p. 225. 2 pages.

Prosecution for Sale of Impure Miners' Oil. M. & M., vol. 27, p. 446. ¾ column.

Best Oil for Safety Lamps. E. & M. J., vol. 84, p. 645. Note.

Notes on Safety-Lamp Oils. By G. P. Lishman. T. I. M. E., vol. 28, p. 338. 3 pages.

Benzine in Mine Lighting. E. & M. J., vol. 72, p. 294. Note.

Vegetable Candles. E. & M. J., vol. 11, p. 289. ½ column.

Peat Candles Made of Paraffine Distilled from Peat. E. & M. J., vol. 48, p. 182. ½ column. Note.

Candle Making in Holland. E. & M. J., vol. 81, p. 140. Note.

Light for Mines: Candles. Min. & Sci. Press, vol. 34, p. 65. ½ column.

Candle-Holder for Mining Engineers. E. & M. J., vol. 71, p. 269. 1 column. I.

A Convenient Candle-Stick for Use in Mines. E. & M. J., vol. 71, p. 144. ½ column. I.

Lighting Shafts

Sunlight in a Vertical Shaft. By J. N. Nevius. E. & M. J., vol. 74, p. 183. 1 column. I.

The Electric Search Light in Shaft Sinking. By J. Baird. E. & M. J., vol. 56, p. 393. ½ column.

Use of Electric Search Light in Shaft-Sinking. Coll. Engr. & Met. Miner, vol. 14, p. 14. 1 column. I

Method of Shaft Lighting. P. C. M., vol. 2, p. 189. 2 pages. I.

Safety Lamps, and Testing by Safety Lamps

The Wolf Safety-Lamp. By L. H. Hodgson. T. I. M. E., vol. 32, p. 300. 4½ pages.

Wolf-Bohres Electric Safety-Lamp. T. I. M. E., vol. 34, p. 59. 1½ pages.

The Wolf Safety Lamp. By L. H. Hodgson. E. & M. J., vol. 83, p. 960. 3 columns. I.

The Tommasi Electric Safety Lamps. By D. Tommasi. E. & M. J., vol. 83, p. 1042. 1 column. I.

On Safety Lamps. By W. E. Teale. T. N. S. I. M. & M. E., vol. 2, p. 263. 16 pages.

Improved Safety Lamp. By J. Williamson. T. N. S. I. M. & M. E., vol. 3, p. 89. 10 pages.

Safety Lamps and Their Management. By Chas. Gordon. T. N. S. I. M. & M. E., vol. 7, p. 135. 14 pages.

The Results of Some Underground Experiments Made with the Belgian Typical Mueseler and Davy Lamps, with a View to Ascertain which of them Presents Greater Advantages for Examination of Workings. T. N. S. I. M. & M. E., vol. 7, p. 160. 36 pages. I.

A New Safety Lamp. By R. Winstanley. T. N. S. I. M. & M. E., vol. 8, p. 169. 2 pages. I.

Lamps. By J. Ashworth. T. N. S. I. M. & M. E., vol. 8, p. 285. 3 pages.

The Sharman-Thompson Shut-Off Appliance for Lamps. T. N. S. I. M. & M. E., vol. 8, p. 290. 5 pages.

Safe Lights: Safety Lamps. T. N. S. I. M. & M. E., vol. 10, p. 42. 9 pages.

Opinion of an Inspector that a Safety Lamp was never Intended to See by but to Test for Gas. Rept. Inspr. Mines Pa., 1878, p. 174. 2 pages.

The Unsafety of So-Called Safety Lamps. Rept. Inspr. Mines Pa., 1879, p. 234. 1 page.

The Wolf Safety-Lamp. Min. & Sci. Press, vol. 50, p. 349. 1¾ columns. I.

Safety Lamps. Coll. Engr., vol. 13, p. 36. 3½ columns.

A New Safety Lamp: Dick's. Coll. Engr., vol. 13, p. 244. 1 column. I.

A Miners' Safety Candlestick. Min. & Sci. Press, vol. 25, p. 296. ⅔ column. I.

Safety Lamps. E. & M. J., vol. 9, p. 9. 1½ columns.

Safety-Lamps. Coll. Engr., vol. 10, p. 98. 3½ columns.

The "Thomas" Double-Chamber Safety Miners' Lamp. Coll. Engr., vol. 11, p. 91. 1 column. I.

Naphtha Safety Lamp with Magnetic Loading Device. M. & M., vol. 21, p. 351. ⅔ column. I.

The Howat Safety-Lamp. By J. G. Patterson. T. I. M. E., vol. 19, p. 42. 5 pages. I.

Safety-Lamps with Standard Flames for Keen and Accurate Gas-Testing. By J. Ashworth. T. F. I. M. E., vol. 7, p. 348. 5 pages. I.

Notes on Safety-Lamps. By H. W. Hughes. T. F. I. M. E., vol. 1, p. 255. 10 pages. I.

The Thorneburry Safety-Lamp. By E. B. Wain. T. F. I. M. E., vol. 3, p. 226. 3 pages. I.

The Water Safety Lamp. Coll. Guard., London, vol. 59, p. 877. Note.

The Gray Type of Safety-Lamp. By J. Ashworth. T. I. M. E., vol. 25, p. 62. 15 pages. I.

The First Safety-Lamp: A History of Its Invention, and the Controversy between Davy and Stephenson. By W. Clifford. Coll. Engr. & Met. Miner, vol. 17, p. 236. 5 columns.

The First Safety-Lamp: The Davy Lamp and Some of the Improvements which Have Been Attempted Upon It. By W. Clifford. M. & M., vol. 18, p. 223. 4¾ columns.,

Why the Use of the Common Davy and Clanny Lamps is Prohibited. M. & M., vol. 20, p. 38. 1 column.

The Development of the Safety-Lamp. M. & M., vol. 20, p. 39. 2¼ columns.

The Use of Petroleum in Safety-Lamps. By E. B. Wain. T. F. I. M. E., vol. 11, p. 104. 6 pages. I.

A Magnet Lock for Miners' Safety Lamps. E. & M. J., vol. 63, p. 238. ½ column. I.

Safety Lamps for Belgian Coal Mines. E. & M. J., vol. 79, p. 746. 11 columns. I.

Safety Lamps. By James Ashworth. M. & M., Feb., 1903, p. 323.

Mica for Safety Lamps. E. & M. J., vol. 66, p. 791. ½ column.

The Improved Sussmann Lamp for Coal Mines. E. & M. J., vol. 68, p. 703. 1¼ columns. I.

The Wolf Safety-Lamp. By E. B. Wilson. T. A. I. M. E., vol. 13, p. 129.

The Wolf Benzine-Burning Safety-Lamp. By E. J. Schmitz. T. A. I. M. E., vol. 14, p. 410.

Davy vs. Clanny-Safety Lamps. M. & M., Dec., 1901, p. 231.

Safety-Lamp Cabin at Heworth Colliery. By T. V. Simpson. M. & M., Apr., 1901, p. 398. 1½ columns.

Safety Lamps for Fire Bosses and Shot Firers. M. & M., May, 1901, p. 476. 1 column.

Safety-Lamps. T. I. M. E., vol. 32, p. 281. 2½ pages. I.

Tests of Safety Lamps. T. I. M. E., vol. 31, p. 707. 1 page.

Fire-Damp Indicators and Safety-Lamps. T. I. M. E., vol. 31, p. 710. 1 page.

Safety Lamp Relighters. By J. Ashworth. M. & M., vol. 28, p. 559. 4½ columns. I.

An Epitaph on the Davy Lamp. Coll. Engr., vol. 10, p. 16. ½ column.

Elson's Improved Method of Lighting Miners' Safety-Lamps while Locked. By J. Taylor. T. F. I. M. E., vol. 2, p. 35, 4 pages; p. 61.

Relighting Marsaut Benzine Lamp. M. & M., vol. 20, p. 171. 1 column. I.

A Cleaning Device for Miners' Safety Lamps. By J. W. Schlie. E. & M. J., vol. 65, p. 252. ¾ column.

The Relighting Marsaut Mine Lamp. E. & M. J., vol. 68, p. 221. 1¾ columns. I.

Safety Lamp Tests Made at Blackwell's Colliery, England, May 23, 1877. By J. Longden. T. N. S. I. M. & M. E., vol. 2, p. 272. Table.

Experiments Made with a Few Safety Lamps in a Testing Box at the Adderley Green Collieries, Stoke-upon-Trent, in 1884. By Sawyer and Haines. T. N. S. I. M. & M. E., vol. 7, p. 307. 24 pages.

Safety Lamp Flames. By W. Davies. M. & M., vol. 20, p. 417. ½ column. I.

A Portable Safety-Lamp with Ordinary Oil Illuminating Flame, and Standard Hydrogen-Flame for Accurate and Delicate Gas-Testing. By F. Clowes. T. F. I. M. E., vol. 4, p. 441. 19 pages. I.

A Safety-Lamp with Standard Alcohol-Flame Adjustment, for the Detection and Estimation of Small Percentages of Inflammable Gas. By A. H. Stokes. T. F. I. M. E., vol. 5, p. 462, 11 pages, I.; vol. 6, p. 177, 3 pages, I.

The Hydrogen Gas-Testing Safety-Lamp. By F. Clowes. T. F. I. M. E., vol. 7, p. 2. 7 pages. I.

Safety-Lamp Tests: Lamp that Exploded in Vertical Ascending Test; Lamp that Exploded in Vertical Descending Test; Lamp that Exploded in Horizontal Test; Lamp that would not Burn in Wind Test; Lamp that Stood Every Test. M. & M., vol. 18, p. 117. ½ column.

Gas Detection with Safety-Lamps. M. & M., vol. 20, p. 91. 1 column.

The Hydrogen-Oil Safety Lamp. By F. Clowes. E. & M. J., vol. 56, p. 140. 3 columns. I.

A Safety Lamp with Testing Attachment. E. & M. J., vol. 57, p. 149. 1 column. I.

Apparatus for Testing Safety Lamps. E. & M. J., vol. 67, p. 177. ⅘ column. I.

Experiments with Safety-Lamps. By B. V. Watteyne and S. Stassart. Annales des Mines de Belgique, 1904. Min. Mag., Mar., 1905, p. 253.

On an Electric Safety Lamp. By J. W. Swan. T. N. S. I. M. & M. E., vol. 9, p. 237. 16 pages.

Pearson's Automatic Shut-Off Extinguisher in Davy Lamps. By J. E. Moore. T. N. S. I. M. & M. E., vol. 9, p. 252. 2 pages.

The S. C. P. Miners' Electric Safety-Lamp. By G. E. Smith. T. F. I. M. E., vol. 2, p. 38. 3 pages. I.

Portable Electric Safety-Lamps. T. F. I. M. E., vol. 2, p. 443. 5 pages. I.

An Electric Safety Mine Lamp. M. & M., Sept., 1902, p. 72. ¼ column.

Effect of Diameter of Screen and Velocity of Air Currents on Explosions in Safety Lamps. T. N. S. I. M. & M. E., vol. 7, p. 191. Table.

The Marsaut Lamp. By A. R. Sawyer. T. N. S. I. M. & M. E., vol. 7, p. 200. 40 pages.

Notes on Above. T. N. S. I. M. & M. E., vol. 7, p. 287. 2 pages.

Safety Lamps in Colliery Explosions. T. I. M. E., vol. 30, p. 509. 16 pages. I.

The Purpose and Present State of the First Experiments on Safety-Lamps and Explosives Carried Out at the Frameries Experimental Station, Belgium. By V. Watteyne. T. I. M. E., vol. 27, p. 445. 13 pages.

Tampering with Safety Lamp. E. & M. J., vol. 83, p. 1013. ¾ column. I.

Velocities of Air Currents which will Drive Flame through Gauze. E. & M. J., vol. 82, p. 786. Note.

Sound Waves and Safety Lamps. Min. & Sci. Press, vol. 32, p. 115. ¼ column.

Safety Lamps and Colliery Explosions. By J. Ashworth. J. C. M. I., vol. 5, p. 379. 14 pages. I.

Unprotected Lights in Coal Mines. E. & M. J., vol. 62, p. 554. ⅔ column.

Failures of Safety Lamps whilst in Use, Some of the Disasters Caused Thereby, and Lessons which may be Derived from them. By Jas. Ashworth. M. & M., June, 1901, p. 490. 7⅔ columns.

MINING

History of Mining

A Century of Mining and Metallurgy in the United States. By A. S. Hewitt. T. A. I. M. E., vol. 5, p. 164.

History of Progress in Mining: Presidential Address. T. L. S. M. I., vol. 2, p. 11. 11 pages.

The First Writer upon Mines. Min. & Sci. Press, vol. 92, p. 164. 1⅓ columns.

Job on Mining. Min. & Sci. Press, vol. 92, p. 235. 2¾ columns.

Historical Notes on Stoping Ground. By E. Halse. E. & M. J., vol. 57, p. 123. 1 column.

Early History of Mining, Layoff of Claims, etc. E. & M. J., vol. 22, p. 4, 1¾ columns; p. 18, ½ column.

Mining: Historical, etc. E. & M. J., vol. 9, p. 168. 1 column.

A Phase of Miners' Life and Death: Finding and Losing a Prospect. Min. & Sci. Press, vol. 25, p. 330. ½ column.

Discovery of Yosemite Valley. Min. & Sci. Press, vol. 26, p. 402. 1¾ columns.

History of Our Country. Min. & Sci. Press, vol. 23, p. 233. 6 columns. I.

The Old Districts and the Lessons They Teach. Min. & Sci. Press, vol. 36, p. 297. 1 column.

First Settlement and Early History of the "Eastern Slope." Min. & Sci. Press, vol. 34, p. 201, 2 columns; p. 217, 2⅓ columns; p. 233, 2 columns; p. 249, 1½ columns; p. 264, 1 column; p. 280, 2½ columns.

Superstition and Mining. E. & M. J., vol. 77, p. 993. 1 column.

Popular Fallacies Regarding Precious Metal Ore-Deposits. E. & M. J., vol. 37, p. 465, 3 columns; p. 481, 3½ columns.

Popular Fallacies on Precious Metal Ore Deposits. E. & M. J., vol. 38, p. 294. 2 columns.

The Mining Operations of the Romans. E. & M. J., vol. 38, p. 175. 1½ columns.

Korean Superstitions in Mining. E. & M. J., vol. 77, p. 1005. 2 columns.

The Future of Mining: An Address. By N. P. Hulst. M. & M., vol. 21, p. 246. 6 columns.

Mining, Past and Future. By J. A. Church. Min. Mag., July, 1904, p. 1. 12 columns. I.

Notes on the History of the Mineral Industry in the 19th Century. By W. G. Miller. J. C. M. I., vol. 6, p. 21. 26 pages.

Notes on the Forest of Mendip, Its Mining Customs and Ancient Laws. By J. McMurtie. T. I. M. E., vol. 20; p. 528. 54 pages. I.

History of Agriculture in California: Useful to Make Comparisons Regarding Mining Industry. Min. & Sci. Press, vol. 31, p. 326, 3¾ columns; p. 390, Table.

Discoveries in the Grand Cañon. E. & M. J., vol. 49, p. 378. 1 column.

Lost Ledges: Mythology of the Desert. Min. & Sci. Press, vol. 49, p. 230, 1 column; p. 278, 1 column.

The Lost Mines of Cana. Min. & Sci. Press, vol. 45, p. 166. 2½ columns.

History of Mines and Works at Almaden. Min. & Sci. Press, vol. 38, p. 54. 2 columns.

The Early History of the New Almaden Quicksilver Mines. Min. & Sci. Press, vol. 17, p. 94. 1 column.

Closing Down of a Famous Mine: The Old Eureka. Min. & Sci. Press, vol. 35, p. 8. ¾ column.

Southwestern Nevada: Early Explorations and Settlement. Min. & Sci. Press, vol. 46, p. 128, 2½ columns; p. 130, 5 columns.

Santa Fe, New Mexico: Partly Historical. By S. E. Raunheim. E. & M. J., vol. 51, p. 654. 2 columns. I.

Early History of the Emma Mine. Min. & Sci. Press, vol. 46, p. 272. 3½ columns.

Ancient Mining at the Coppice, Sedgley, England. By L. Meachem. T. F. I. M. E., vol. 6, p. 554. 5 pages. I.

A Roman Mine in Hungary. By G. von Bene. E. & M. J., vol. 68, p. 279. ½ column.

Ancient Mining in Siberia and Europe. Am. Jour., Min., vol. 6, p. 392. ¾ column.

La Mina Marques Manzanal. Min. & Sci. Press, vol. 93, p. 361. 1 column. I.

Ancient Mining in Transylvania. By G. Slusjka. E. & M. J., vol. 84, p. 772. 1 column.

The History and Future of British Metal Mining. E. & M. J., vol. 38, p. 265, 1 column; p. 331, 2½ columns.

Ancient Egyptian Mining Tools. By J. J. Bell. E. & M. J., vol. 82, p. 306. ¾ column.

The First Silver Mines on the Coast. Min. & Sci. Press, vol. 46, p. 126. 1¼ columns.

The Oldest Gold Mining Camp. By Van Wagenen. Min. & Sci. Press, vol. 81, p. 280. 2½ columns. I.

History of Gold Mining and Metallurgy in the Southern States. By H. B. C. Nitze. U. S. G. S., 20th Ann. Rept., pt. 6, pp. 111–123. 1899.

Legends of the Desert: Pegleg Smith. By W. H. Storms. Min. & Sci. Press, vol. 93, p. 782. 5 columns.

The History of Gold and Silver. By J. W. Malcomson. E. & M. J., vol. 84, p. 1021. 7¾ columns.

Winning Gold: A Historical Note. Min. & Sci. Press, vol. 93, p. 146. 1½ columns. I.

The Development of the Metal Mining Industry in the Western States. By W. Lindgren. Min. & Sci. Press, vol. 93, p. 659. 5¼ columns.

Tales of Desert: Pegleg, Smith and Others. By G. J. Bancroft. Min. & Sci. Press, vol. 92, p. 5. 3 columns. I.

History of Gold. By F. E. Engelhardt. Am. Jour. Min., vol. 2, p. 122.

Gold Mining in the West: The White Oaks Camp, etc. By J. Robertson. Coll. Engr., vol. 13, p. 171. 1½ columns.

The Lost Packer Copper Gold Lode. By E. P. Jennings. Min. & Sci. Press, vol. 92, p. 435. 2 columns.

Pioneer Gold Mining. Min. & Sci. Press, vol. 61, p. 416. 1 column.

A Desert Gold Mine. Min. & Sci. Press, vol. 81, p. 95. 2 columns. I.

Effects of Gold Discoveries. Min. & Sci. Press, vol. 26, p. 134. ⅞ column.

Pliny on Gold Mining. E. & M. J., vol. 76, p. 548. 2¼ columns.

Mining in the Earliest Times. E. & M. J., vol. 6, p. 360. 1 column.

Mines of the Persians and Egyptians. E. & M. J., vol. 6, p. 376. 1¼ columns.

The Discovery of New Gold-Districts. By H. M. Chance. T. A. I. M. E., vol. 29, pp. 224, 1031.

The History of Gold Mining. By M. C. Ihlseng. M. & M., vol. 18, p. 539. 2¾ columns.

A Big Pocket: The Discovery of the Monumental Mine. By J. B. Farish. Min. & Sci. Press, vol. 92, p. 21. 1 column.

History of the Discovery of Silver on Lake Superior. By C. Whittlesey. E. & M. J., vol. 20, p. 575. 1½ columns.

Beginning of Quartz Milling in California. Min. & Sci. Press, vol. 76, p. 108. 3½ columns. I.

The Discovery of Gold in India. Min. & Sci. Press, vol. 38, p. 361, 2½ columns, I.; p. 377, 1 column, I.

Ancient Mining in Rhodesia. E. & M. J., vol. 63, p. 628. 1 column.

Ancient Ruins and Gold Mines in Zambesia. E. & M. J., vol. 68, p. 186. 1⅓ columns.

"King Solomon's Mines," or the Land of Ophir. Min. & Sci. Press, vol. 85, p. 370. 2⅔ columns.

Were the Nome Gold Fields Previously Worked by Russians? Min. & Sci. Press, vol. 86, p. 303. 1 column.

History of Western Australia Gold-Fields. By A. G. Charleton. Gold Min. & Mil. W. Aus., Chap 1. 19 pages. I.

The Discovery of Gold in California. E. & M. J., Mar. 9, 1905, p. 472. 2 columns.

How the Vast Deposits of the Columbia Basin were First Discovered. Am. Jour. Min., vol. 1, p. 133. 2¼ columns.

Recollections of California Mining Life. Min. & Sci. Press, vol. 47, p. 292, 2⅔ columns; p. 320, 2½ columns; p. 330, 1½ columns; p. 346, 2½ columns; p. 382, 1 column.

Another First Discoverer of Gold in California. Min. & Sci. Press, vol. 54, p. 188; vol. 55, p. 356, 1½ columns.

Gold in California: A Mexican's Account of Early Discoveries. Min. & Sci. Press, vol. 54, p. 282, 1¾ columns; pp. 298, 314.

Erroneous Chronology of the Marshall Gold Find. Min. & Sci. Press, vol. 57, p. 244. 1 column.

First Discovery of the Comstock. Min. & Sci. Press, vol. 57, p. 310. ¼ column.

The Discoverer of Gold. Min. & Sci. Press, vol. 58, p. 41, ½ column, I.; vol. 59, p. 336, ½ column.

Grass Valley: History of, etc. Min. & Sci. Press, vol. 51, p. 258. 2 columns.

North and Middle Forks of the American River: Legends. Min. & Sci. Press, vol. 51, p. 85. 4 columns. I.

Gold in California: An Early Record of Its Existence. Min. & Sci. Press, vol. 44, p. 380. 1⅔ columns.

The Discovery of Gold in California. By T. J. Johnston. E. & M. J., vol. 79, p. 472. 1¾ columns.

California Mining: History of Mining in the Nevada City and Grass Valley Region. By A. Lakes. M. & M., vol. 20, p. 249. 5⅔ columns. I.

The Discoverer of Gold in California: J. W. Marshall. Min. & Sci. Press, vol. 49, p. 261. 1½ columns.

The Discovery of Gold in California. Min. & Sci. Press, vol. 50, p. 37. 2½ columns. I.

Death of J. W. Marshall. Min. & Sci. Press, vol. 51, p. 117. 2¼ columns. I.

The Story of Marshall's Find. Min. & Sci. Press, vol. 67, p. 311. 1⅙ columns.

Colma: The Site of Suter's Mill; First Discovery of Gold. Min. & Sci. Press, vol. 35, p. 316. 2½ columns.

Recollections of California Mining Life. Min. & Sci. Press, vol. 76, p. 112. 21 columns. I.

J. W. Marshall: Discoverer of Gold in California. Min. & Sci. Press, vol. 76, p. 120. 2 columns. I.

Date of Discovery of Gold in California. Min. & Sci. Press, vol. 76, p. 158. 1¼ columns.

First Discoveries of Gold. Min. & Sci. Press, vol. 78, p. 60. ½ column.

The Correct Date of Marshall's Discovery. Min. & Sci. Press, vol. 76, p. 111. 1 column.

The Early History of Mining in Pictou County, Colorado. By Dr. Patterson. J. M. Soc. N. S., vol. 2, pt. 2, p. 57. 6½ pages.

Mines and Mining in Colorado: First Discoveries, etc. Min. & Sci. Press, vol. 25, p. 214. 1⅔ columns.

Victor, Colorado: The Gold Coin Mine, a Gold-Bearing Vein Found while Excavating for the Foundations of a Hotel. By A. Lakes. Coll. Engr. & Met. Miner, vol. 17, p. 210. 2½ columns. I.

How the Independence Mine was Discovered. By T. A. Rickard. E. & M. J., July 15, 1899, p. 67. 1¾ columns.

Discovery and Development of the Homestake Mines of South Dakota. Min. & Sci. Press, vol. 90, p. 391, 6 columns, I.; p. 404, 3 columns, I.; vol. 91, p. 4, 2½ columns, I; p. 26, 1 column+.

Discovery and Development of the Homestake Mine. Min. & Sci. Press, vol. 88, p. 63. 1½ columns.

Dredging: Prospecting and Historical. By J. P. Hutchins. E. & M. J., vol. 80, p. 49. 3⅔ columns.

The Old Telegraph Mine. By G. Lavagning. T. A. I. M. E., vol. 16, p. 25.

Old Mexican Methods. By B. MacDonald. Min. & Sci. Press, vol. 94, p. 123. 6 columns. I.

Aboriginal Mining in Mexico. By F. J. H. Merrill. E. & M. J., vol. 82, p. 822. 2 columns.

Ancient Mining in Mexico. Min. & Sci. Press, vol. 38, p. 401. 1½ columns.

Historic Mines of Mexico. By F. J. H. Merrill. E. & M. J., vol. 80, p. 1105. 2½ columns.

Old Time Mining in Mexico. By O. H. Howarth. M. & M., Nov., 1901, p. 157.

Account of Famous Mines in Mexico. Min. & Sci. Press, vol. 18, p. 34, 2 columns; p. 50, 2 columns; p. 66, 1½ columns.

A Bonanza in Mexico: An Account of the Discovery of the Silver Mines of Santa Eulalia. Min. & Sci. Press, vol. 31, p. 134. 1 column.

The History of Mining at Guanajuato. By T. A. Rickard. Min. & Sci. Press, vol. 93, p. 716. 6 columns. I.

Later History of Guanajuato. Min. & Sci. Press, vol. 93, p. 747. 6 columns. I.

The Comstock in 1876. Min. & Sci. Press, vol. 92, p. 122. 2¾ columns. I.

A RESTLESS FOUNDATION: The Towns on the Comstock Settling. Min. & Sci. Press, vol. 53, p. 214. 1 column.

COMSTOCK PAPERS. Min. & Sci. Press, vol. 33, p. 64, 2 columns; p. 80, 1⅓ columns; p. 112, 2 columns; p. 128, 1¾ columns; p. 160, 2¼ columns; p. 224, 1⅓ columns; p. 249, 1½ columns; p. 305, 2¾ columns; p. 36, 3 columns, I.; p. 384, 1½ columns; p. 404, 1 column; p. 420, 1 column; p. 427, ¾ column; vol. 34, p. 57, 1½ columns; p. 73, 2½ columns; p. 81, 1½ columns; p. 120, 1¾ columns; p. 137, 1½ columns; p. 168, 1 column; p. 185, 3 columns; p. 290, 1 column.

DISCOVERY OF CALIFORNIA GOLD. Min. & Sci. Press, vol. 51, p. 210, 4 columns; p. 226, 4 columns; p. 242, 3¼ columns.

EARLY HISTORY OF THE COMSTOCK. Min. & Sci. Press, vol. 45, p. 392, ¾ column; vol. 46, p. 177, ½ column; p. 241, 1½ columns; p. 266, ½ column; p. 354, ⅓ column.

THE GROSH BROTHERS: A Mysterious Pair. By D. DeQuille. E. & M. J., vol. 53, p. 254. 3 columns.

THE DISCOVERY OF SILVER IN NEVADA: The Work of the Grosh Brothers. E. & M. J., vol. 53, p. 255. 1½ columns.

A BRIEF GOLDEN DREAM. By Dan DeQuille. E. & M. J., vol. 55, p. 150. 1 column.

THE SILVER MINER OF THE COMSTOCK. By Dan DeQuille. E. & M. J., vol. 53, p. 84. 4 columns. I.

THE DISCOVERERS OF THE COMSTOCK LODE. E. & M. J., vol. 53, p. 112. 1¾ columns.

THE DISCOVERY OF THE COMSTOCK LODE. By Dan DeQuille. E. & M. J., vol. 52, p. 637. 3¼ columns. I.

THE COMSTOCK LODE: A Description and History of the Discovery and Development. By Don Maguire. M. & M., vol. 26, p. 1. 6 columns. I.

THE DISCOVERY OF TONOPAH, NEVADA. E. & M. J., vol. 82, p. 56. 5 columns. I.

EARLY HISTORY OF TONOPAH. E. & M. J., vol. 78, p. 135. 2¼ columns. I.

THE DISCOVERY AND DEVELOPMENT OF TONOPAH. Min. & Sci. Press, vol. 90, p. 8. 3⅓ columns. I.

THE CHAPIN MINE, MICHIGAN: A Description of the Methods of Mining now Used and the Earlier Ones which were Discontinued. By M. P. Hulst. M. & M., vol. 19, p. 461. 2⅔ columns. I.

EARLY HISTORY OF IRON MINING ON LAKE SUPERIOR. T. L. S. M. I., vol. 10, p. 165. 14 pages. I.

HISTORY OF THE MENOMINEE RANGE. T. L. S. M. I., vol. 11, p. 38. 12 pages.

HISTORICAL SKETCH OF THE DISCOVERY OF MINERAL DEPOSITS IN THE LAKE SUPERIOR REGION. By H. V. Winchell. T. L. S. M. I., vol. 2, p. 33. 36 pages.

SOME EARLY MINING DAYS AT PORTAGE LAKE. By G. Pope. T. L. S. M. I., vol. 7, p. 17. 16 pages. I.

ANCIENT COPPER MINES OF ISLE ROYALE. By N. H. Winchell. E. & M. J., vol. 32, p. 184, 4⅔ columns, I.; p. 201, 3⅔ columns.

THE HISTORY OF COPPER MINING, LAKE SUPERIOR. E. & M. J., vol. 33, p. 130, 2 columns; p. 141, 1½ columns; p. 154, 1½ columns.

DISCOVERY OF CALUMET AND HECLA. By J. D. Hague. E. & M. J., vol. 78, p. 781, 3½ columns; and vol. 81, p. 613, 1⅓ columns.

ANCIENT MINING IN LAKE SUPERIOR DISTRICT. T. A. I. M. E., vol. 6, p. 281.

THE ANCIENT COPPER-MINES OF LAKE SUPERIOR. By A. B. Wood. T. A. I. M. E., vol. 37, p. 288. 9 pages. I.

HISTORY OF THE SCHUYLER MINE. By J. H. Cranbery. E. & M. J., vol. 82, p. 1116. 10½ columns. I.

Copper Mine Used as a Prison in Connecticut Prior to 1800. Whitney's Metallic Wealth of the U. S., 1854, p. 326.

History of Smelting in the Joplin District. By D. Brittain. E. & M. J., vol. 84, p. 861. 19 columns. I.

Historical Sketch of Lead and Zinc. By A. Winslow. E. & M. J., vol. 58, p. 464, 2 columns +; p. 487, 2⅔ columns.

The Early History of Mining in the Sudbury District. By J. W. Evans. J. C. M. I., vol. 7, p. 495. 6 pages.

The History of Borax in the United States. E. & M. J., vol. 54, p. 247. 2½ columns. I.

A History of Tin. M. & M., vol. 19, p. 21. ½ column.

Early History of Tin Mining. Tin Deposits of the World, p. 4. 2 pages.

The Discovery of Tin-Stone in the Black Hills of Dakota. By W. P. Blake. E. & M. J., vol. 36, p. 145, 2½ columns; p. 163, 1⅔ columns.

Tin Mining in the Ozarks: A Bit of History. By H. A. Wheeler. E. & M. J., vol. 77, p. 323. 1⅔ columns.

Notes on Early Mining in Staffordshire and Worcestershire, England. By J. H. Jackson. T. I. M. E., vol. 27, p. 98. 10 pages.

First Mention of Coal ("Cole") in the United States, also other Early History (Ottawa, Ill.). U. S. G. S., Mineral Resources for 1905, p. 568.

Early Coal Mining in the Lackawanna Valley. By W. H. Richmond. M. & M., vol. 27, p. 303. 2½ columns.

A Brief History of Mining in Tioga County, Pennsylvania. By A. Hardt. M. & M., vol. 26, p. 484. 4 columns.

Historical Sketch of Coal Mines and Mining Operations in Allegheny County, Pennsylvania. By S. M. Taylor. Coll. Engr., vol. 12, p. 123. 2½ columns.

Coal Mining in England: Historical Description of Machinery and Methods. E. & M. J., vol. 11, p. 98. 3¾ columns.

Coal: Its History, Uses and Distribution. By Prof. Newberry. E. & M. J., vol. 9, p. 312. 1⅓ columns.

Ancient Coal Mining. E. & M. J., vol. 61, p. 161. 1½ columns.

A Saxon Coal Mine. By E. R. Schoch. E. & M. J., vol. 62, p. 607. 1 column.

Historical Notes on Wallsend Colliery. By T. E. Forster. T. I. M. E., vol. 15, p. 77. 10 pages.

Historical Sketch of the Whitehaven Collieries. By R. W. Moore. T. F. I. M. E., vol. 7, p. 613. 26 pages.

Early Discoveries of Diamonds. By D. Draper. E. & M. J., Mar. 30, 1905, p. 612. 2¾ columns.

The Discovery of the South African Diamond Fields. By J. Thorburn. E. & M. J., vol. 52, p. 481. 1 column.

Diamond Discoveries in Africa. Am. Jour. Min., vol. 7, p. 378. 1 column.

Prospecting: Methods of Procedure, Equipping Camping Outfits, etc., Divining

Cornish Prospecting. E. & M. J., vol. 76, p. 201. 1⅔ columns.

On Prospecting. By A. Lakes. Coll. Engr., vol. 13, p. 139, 1½ columns, I.; p. 163, 1½ columns, I.; p. 188, 2 columns, I.; p. 192, 6½ columns, I.; p. 212, 1¾ columns, I.; p. 219, 3½ columns, I.; p. 235, 1⅓ columns, I.; p. 245, 3 columns, I.; p. 263, 2 columns, I.; p. 273, 4½ columns, I.; p. 289, 2 columns, I.

Prospecting: Lectures on Mining. By W. W. Smyth. E. & M. J., vol. 22, p. 155, 2 columns, I.; p. 171, 3 columns, I.

Scientific Prospecting. By T. Smith. Min. & Sci. Press, vol. 75, p. 173, 2½ columns; p. 196, ¾ column.

Notes on Prospecting. Min. & Sci. Press, vol. 75, p. 242. 3½ columns.

The Prospector's Mistakes. Min. & Sci. Press, vol. 80, p. 348, 1 column; p. 376, ¾ column.

The Science of Prospecting. Min. & Sci. Press, vol. 78, p. 265. 1 column.

Pluck Rewarded by Luck: A Rich Find, Prospecting. Min. & Sci. Press, vol. 35, p. 10. ⅞ column.

Discovery (Prospecting). By A. Williams. Coll. Engr. & Met. Miner, vol. 14, p. 305. 7 columns. I.

Prospecting Mines. Min. & Sci. Press, vol. 33, p. 304. 1 column.

An Unusual Piece of Mining Work. By J. T. Donald. E. & M. J., vol. 64, p. 100. 1 column.

Prospecting: Alma Placer; Gold Placers and How they are Worked; Roscoe Placer, Clear Creek, Colorado; Placers of North America. By A. Lakes. Coll. Engr. & Met. Miner, vol. 16, pp. 25, 49, 73, 97, 121, 152, 177, 195, I.; vol. 17, p. 472, 8⅔ columns, I.

An Economical Method of Prospecting in Soft Ground. By F. S. Ruttman. Sch. Mines Quart., vol. 10, p. 234. 4 pages. I.

Prospecting: by Bore Holes; by Crosscuts; by Shafts. The Witwatersrand Gold-Fields, pp. 129–148. 20 pages. I.

What Veins to Choose and what to Let Alone: Prospecting. By A. Lakes. M. & M., vol. 26, p. 126. 2 columns.

Indicative Plants. By R. W. Raymond. T. A. I. M. E., vol. 15, p. 645.

When can Mining Ground be Considered Thoroughly Prospected. Min. & Sci. Press, vol. 92, p. 414. 1 column. I.

Hints for the Use of Prospectors and Persons Engaged in the Early Development of Mining Property. By R. H. Stretch. Am. Jour. Min., vol. 3, p. 121. 4 columns.

Hints to Prospectors. By W. J. Adams. Min. & Sci. Press, vol. 85, p. 62. 1½ columns.

The Fatal Gift of Good Luck: Discoverers of Big Mines Come to Bad End. Min. & Sci. Press, vol. 55, p. 52. 1½ columns.

Observations of a Practical Miner Regarding Occurrence of Mineral. Min. & Sci. Press, vol. 25, p. 2. 1½ columns.

Mineral Stains and Surface Signs. By A. Lakes. M. & M., Mar., 1905, p. 384. 1¼ columns. I.

Extensions of Great Veins: How to Follow Them and Some Points to be Considered in Locating a Claim on Them. By A. Lakes. M. & M., vol. 20, p. 16. 3½ columns. I.

System in the Location of Mining Districts. By T. F. Van Wagenen. Sch. Mines Quart., vol. 19, p. 189. 3½ pages. I.

The Relation of Aluminic and Ferric Salts to Plant Life. By P. T. Austen. Sch. Mines Quart., vol. 6, p. 235. 6 pages.

Sounding River Beds. E. & M. J., vol. 65, p. 342; vol. 64, p. 100, 1 column.

Electric Ore-Finding System. By E. Skewes. E. & M. J., vol. 75, p. 780. 5½ columns. I.

Camping Outfits. By P. B. Gifford. M. & M., vol. 24, p. 53. 1⅓ columns.

Supplies for Engineering Trips. By W. Newbrough. Sch. Mines Quart., vol. 28, p. 387. 1½ pages.

Prospecting in the Desert. Min. & Sci. Press, vol. 91, p. 24. 1 column.

Some Suggestions for Travel in Northern Mexico. E. & M. J., vol. 77, p. 315. 6¾ columns. I.

Mexico and the American Prospector. E. & M. J., vol. 78, p. 213. 2½ columns.

The Yukon Miner's Outfit. Min. & Sci. Press, vol. 75, p. 122. 1⅞ columns.

Medical Advice to Prospectors. Min. & Sci. Press, vol. 54, p. 298. 1½ columns.

Traveling in British South Africa. By F. C. Roberts. E. & M. J., vol. 78, p. 57. 4½ columns. I.

Exploration in the Sudan and Abyssinia. By A. H. Ackermann. E. & M. J., vol. 78, p. 388. 5 columns. I.

Prospecting in China. By D. H. Stovall. M. & M., vol. 26, p. 218. ¾ column.

The Block System of Underground Prospecting. E. & M. J., vol. 37, p. 481. Note.

Yukon Miners' Outfit. Placer Mining, Chap. 3, p. 16.

Hints to Travelers: Outfit and Surveying. By the Royal Geographical Society.

Some Concentrated Foods for Miners, Prospectors, and Explorers. By J. T. Donald. T. F. C. M. I., vol. 3, p. 82. 9 pages.

The Equipment of Exploring Expeditions. By M. W. Brown. T. I. M. E., vol. 15, p. 443. 12 pages.

The Equipment of Camps and Expeditions. By Chas. H. Snow. T. A. I. M. E., vol. 29, pp. 157, 1030.

Prospecting in Alaska. M. & M., vol. 18, p. 219. 2⅓ columns.

Prospecting in Australia. Min. & Sci. Press, vol. 26, p. 218. ⅞ column.

Prospecting in Western Australia. Gold Min. & Mil. W. Aus., p. 150. 6 pages.

Prospecting in Brazil. By A. M. Gibson. E. & M. J., vol. 53, p. 136. 1½ columns.

Prospecting in China: A Description of the Country North of Peking; A Peculiar Country and a Peculiar People. By Auguste Mathez. M. & M., Apr., 1901, p. 393. 5¼ columns.

A Prospecting Trip in Northern Omenica, British Columbia. By E. C. Musgrave. J. C. M. I., vol. 3, p. 90. 6 pages.

Prospecting in British Columbia. By W. M. Brewer. T. I. M. E., vol. 16, p. 291. 10 pages. I.

A Prospecting Trip in British Columbia. Min. & Sci. Press, vol. 31, p. 329. 2½ columns. Map.

Prospecting in Northern Canada. By C. A. Bramble. E. & M. J., vol. 81, p. 947. 3 columns.

Prospecting in Western Canada. By D. D. Cairns. J. C. M. I., vol. 8, p. 302. 15 pages.

Prospecting in Idaho. E. & M. J., vol. 6, p. 3. 2½ columns.

Prospecting by Pit and Drill in the Mesabi Iron Ore Range. E. & M. J., Feb. 16, 1905, p. 319; Feb. 23, 1905, p. 365.

Arrangement of Drill Holes. E. & M. J., Mar. 9, 1905, p. 469.

Prospecting by Shafts. E. & M. J., vol. 68, p. 610. 1¼ columns.

Diamond Drill Prospecting: Example of Cause of Failure in Prospecting with Diamond Drill at the Silver Islet Mine, Canada. E. & M. J., vol. 34, p. 322. Note.

Churn-Drill Prospecting. By G. C. McFarlane. E. & M. J., vol. 80, p. 920. 6½ columns. I.

Prospecting: Search for Gold and Silver. By A. Lakes. Coll. Engr. & Met. Miner, vol. 14, p. 5, 5⅓ columns, I.; p. 23+, 2½ columns, I.; p. 38, 3½ columns, I.; p. 50, 2½ columns, I.; p. 65, 4 columns, I.; p. 78, 2½ columns, I.; p. 89, 4½ columns, I.; p. 107, 3⅔ columns, I.; p. 117, 4½ columns; p. 135, ⅔ column; p. 145, 3 columns; p. 162, 5 columns; p. 107, 7 columns; p. 191, 2½ columns; p. 199, 6 columns; p. 227, 5½ columns, I.; p. 254, 3½ columns.

A New Method of Prospecting for Gold and Silver at a Great Depth. Min. & Sci. Press, vol. 84, p. 49. ¾ column.

Promising Prospecting Enterprise on the Comstock. By Dan De Quille. E. & M. J., vol. 54, p. 463. 2 columns.

Gold Prospecting in New Guinea. By J. Plummer. E. & M. J., vol. 66, p. 216. 1 column.

Getting Gold. By J. C. F. Johnson.

Field Testing for Gold and Silver. By W. H. Merritt.

Prospector's Field Book. By H. S. Osborn.

Exploration for Gold in the Central States. By C. W. Hall. T. L. S. M. I., vol. 5, p. 49. 12 pages.

Prospecting for Lead and Zinc. By R. M. Downie. E. & M. J., vol. 81, p. 568. 1 column.

Prospecting in Zinc Fields of Wisconsin. E. & M. J., vol. 81, p. 1233. 2 columns. I.

Prospecting in the Joplin District. M. & M., vol. 28, p. 149. 1½ columns. I.

Prospecting in the Zinc Districts of Wisconsin. E. & M. J., vol. 81, p. 1233. 2 columns. I.

Method of Prospecting in the Mesabi Iron-Range. T. A. I. M. E., vol. 21, p. 679.

Brown Hematite Ores: Methods of Prospecting, Mining and Washing the Soft Iron Ores of the Birmingham District, Alabama. By W. R. Crane. M. & M., Apr., 1905, p. 417. 7½ columns. I.

Prospecting for Iron Ore in the Torbrook Iron District, Annapolis County, Nova Scotia. By W. F. C. Parsons. J. C. M. I., vol. 9, p. 31. 4½ pages.

Prospecting Deep Gravel Deposits. T. I. M E., vol. 27, p. 146. 4 pages. I.

A Method of Testing Alluvial Deposits. By H. E. Nichols. T. I. M. & M., vol. 14, p. 195. 4 pages.

Prospecting Dredging Ground. By D'Arcy Weatherbe. Min. & Sci. Press, vol. 93, p. 474, 5¾ columns, I.; p. 535, 2½ columns; p. 684, 1 column +.

Prospecting and Valuing of Dredging Ground. By N. C. Stines. Min. & Sci. Press, vol. 92, p. 70, 2¾ columns, I.; p. 90, 4½ columns, I.

Prospecting Dredging Ground. Cal. Miners' Assoc. Annl., 1906, p. 113. 1 page.

Dredging: Prospecting. E. & M. J., vol. 80, p. 49. 3¾ columns.

Methods and Apparatus for Prospecting Gravel Beds, Colombia. E. & M. J., vol. 80, p. 1011.

Methods of Prospecting Coal Lands. M. & M., vol. 27, p. 139. 1¾ columns. I.

Prospecting for Coal in Colorado. By A. Lakes. M. & M., vol. 20, p. 148. 2½ columns. I.

Prospecting for Coal in the Western States: Points of Resemblance and Points of Difference between the Western and Eastern Coal Fields. By A. Lakes. M. & M., June, 1902. p. 506. 3¼ columns.

Prospecting for Rare Metals and Earths. By G. E. Walsh. Min. & Sci. Press, vol. 94, p. 218. 3¼ columns.

The Old California Prospector. By Dan DeQuille. E. & M. J., vol. 52, p. 567. 3 columns. I.

The Prospector. By Dan DeQuille. E. & M. J., vol. 52, p. 528. 2 columns.

The Prospector has not Disappeared. E. & M. J., vol. 77, p. 232. 3 columns.

The Quest of the Golden Fleece. E. & M. J., vol. 77, p. 998. 1¾ columns.

As Seen by an Old Prospector. Min. & Sci. Press, vol. 77, p. 156. 4½ columns.

The Prospectors. Min. & Sci. Press, vol. 28, p. 386. ¾ column.

The Old Prospector. Min. & Sci. Press, vol. 34, p. 246. 1½ columns.

The Prospector and His Rewards. Min. & Sci. Press, vol. 39, p. 129. 1 column.

Where to Explore for Minerals. Min. & Sci. Press, vol. 39, p. 321. 1 column.

Prospectors as Trustees. Min. & Sci. Press, vol. 43, p. 1. 1 column.

The Prospector. Min. & Sci. Press, vol. 51, p. 148, 2½ columns; vol. 52, p. 422, ⅔ column; vol. 54, p. 347, ½ column.

The Divining-Rod. By R. W. Raymond. T. A. I. M. E., vol. 11, p. 411.

On the Discovery of Springs: Divining. By J. Thoulet. E. & M. J., vol. 9, p. 264, 2½ columns; p. 306, 2 columns, I.; p. 330, 1 column.

The Occult Sciences and Mining: Divining. Min. & Sci. Press, vol. 27, p. 185. 1¼ columns.

The Divining Rod Again. Min. & Sci. Press, vol. 39, p. 312, 1 column; p. 354, 1½ columns.

The Divining Rod as a Mining Implement. Min. & Sci. Press, vol. 45, p. 345. 1 column.

The Divining Rod Finds a Champion. Min. & Sci. Press, vol. 75, p. 480. 1¾ columns.

Divining Rod as a Water Finder. Min. & Sci. Press, vol. 91, p. 314. ¾ column.

The Clairvoyant and the Miner. Min. & Sci. Press, vol. 86, p. 406. 1 column.

A Defense of the Divining Rod. Min. & Sci. Press, vol. 80, p. 289. 2½ columns.

Mr. Goodman's Patent Divining Bottle. By R. W. Raymond. E. & M. J., vol. 53, p. 540. 1 column.

Varley's Electric Divining Rod. E. & M. J., vol. 53, p. 587. 1 column.

The Divining Rod. E. & M. J., vol. 84, p. 774. 1 column.

The Divining Rod. E. & M. J., vol. 84, p. 1178. 1½ columns. I.

Use of the Divining Rod. M. & M., vol. 28, p. 266. ⅔ column.

The Cornish Divining Rod. E. & M. J., vol. 9, p. 120. ¾ column.

The Divining Rod. Am. Jour. Min., vol. 4, p. 85, ½ column; p. 104, 1 column; p. 121, ½ column.

Electrical-Divining. T. A. I. M. E., vol. 13, p. 476.

Electrical Effects of Ore Bodies. U. S. G. S., Monograph No. 7, p. 139. 10½ pages. I.

Ore-Finder (Divining). M. & M., Mar., 1905, p. 385.

Development: Size, Shape, Depth and Arrangement of Shafts and Slopes

Notes on the Exploration of Mineral Properties. By H. S. Munroe. Sch. Mines Quart., vol. 19, p. 9. 5 pages.

Development: Drives, Driving, Winzes, Sinking and Raising, Cross-Cuts and Cross-Cutting. The Witwatersrand Gold-Fields, pp. 286–294. I.

Mine Development: England. By W. W. Smyth. E. & M. J., vol. 23, p. 14, 2 columns, I.; p. 28, 2 columns.

Principles Determining the Plan of Attack in Metal Mining, Development, etc. By A. Williams. Coll. Engr. & Met. Miner, vol. 15, p. 25, 6¼ columns; p. 75, 3½ columns.

Development Results vs. Stope Results. By E. H. Garthwaite. T. I. M. & M., vol. 16, p. 231. 8 pages. I.

Mine Development Methods. By B. J. Forrest. J. C. M. I., vol. 6, p. 1. 6 pages. I.

The Block System of Underground Prospecting Applied to the Comstock Lode. Min. & Sci. Press, vol. 49, p. 54. 1 column.

Location, Development, and Installation of Plant to Produce Given Output: Case on the Rand. T. I. M. & M., vol. 11, p. 127.

Mining Methods: Development, etc. Coll. Engr. & Met. Miner, vol. 14, p. 217.

Development of the Deep Levels on the Rand. Gold Mines of the Rand, p. 87, 24 pages, I.; p. 112, 14 pages.

Rate of Development. Gold Mines of the Rand, p. 125. 2 pages.

Pros and Cons Regarding Locating a Mine on Mountain or in Valley. E. & M. J., vol. 76, p. 118. Note.

Development and Operation of a Mine. By W. H. Storms. Min. & Sci. Press, vol. 87, p. 420, 2 columns; vol. 88, p. 4, 4⅓ columns, I.; p. 25, 3 columns, I.; p. 40, ⅔ column.

Practical Mine Development. Min. & Sci. Press, vol. 91, p. 23. 1⅔ columns. I.

The Equipment and Development of New Mines. Min. & Sci. Press, vol. 78, p. 369. 4 columns. I.

Developing Prospects. By A. Lakes. M. & M., vol. 26, p. 409. 1 column.

Developing a Prospect. By Arthur Lakes. Min. & Sci. Press, vol. 93, p. 357. 3½ columns. I.

How to Open up a Gold Mine. By S. A. Josepi. M. & M., vol. 20, p. 291. 2 columns.

The Opening up of Our Big Gold-Field. By Dan DeQuille. E. & M. J., vol. 61, p. 541. 2 columns.

Method of Developing and Occurrence of Deep Leads in Victoria, Australia. Min. Mag., Jan., 1905, p. 37.
E. & M. J., vol. 66, p. 784.

Modern Gold-Mining in the Darien: Notes on the Reopening of the Espiritu Santo Mine, Cana. By E. R. Woakes. T. A. I. M. E., vol. 29, p. 249.

Development and Operation of Kimberley Diamond Mines. E. & M. J., vol. 76, p. 238.

Gangway and Tunnel Driving. 2d. Geol. Survey Pa., A. C., pp. 85, 98. 12 pages. I.

Development at Rossland, British Columbia: Development, Drifting, Rising, Narrow Slopes. M. & M., vol. 21, pp. 363, 364, 365. I.

Development at the Daly-Judge Mine. M. & M., vol. 28, p. 32. 1 column.

Development in the Rand Mines. T. I. M. & M., vol. 15, p. 352. 3 pages.

Methods of Development on the Rand: Rates and Costs. Witwatersrand Gold-Fields, p. 285. 20 pages. I.

Method of Exploitation: Almaden Mines. Min. & Sci. Press, vol. 37, p. 313. 2 columns. I.

The Developments and Arrangements of a Large Gaseous Shaft Mine. M. & M., Mar., 1903, p. 378.

Methods of Opening Coal Mines. By H. M. Chance. 2d Geol. Survey Pa., A. C., p. 55. 5 pages. I.

Large Coal Mine Outputs: Does It Pay to Design and Develop Coal Mines for very Large Outputs? Causes that Fix the Limits. By F. C. Keighley. M. & M., vol. 27, p. 349. 3½ columns.

The Development of a West Virginia Coal Mine. By W. Graham. Coll. Engr., vol. 13, p. 98. 2¼ columns.

Imaginary Boundaries. By R. W. Raymond. T. A. I. M. E., vol. 18, p. 182.

Thickness, in Feet, of Beds at Various Points: Keweenaw Point Lodes. T. L. S. M. I., vol. 2, p. 93. Table.

The Turned-Back Shaft at the Salisbury Mine, Ishpeming, Michigan. By R. Meeks. E. & M. J., vol. 84, p. 73. 1 column. I.

The Two-Shaft System for Prussian Potash Works. By R. Grimshaw. E. & M. J., vol. 83, p. 230. 2 columns.

The Location and Arrangement of Shafts. By W. Smyth. E. & M. J., vol. 9, p. 370. 1⅔ columns.

The Emerson Shaft of the Wildman Mine, Sutter Creek, California: Arrangement of Compartments, etc. Min. & Sci. Press, vol. 79, p. 578. 4½ columns. I.

Inclined Shaft or Vertical? Min. & Sci. Press, vol. 91, p. 424. 1¼ columns.

The Equipment of Incline-Shafts. By F. N. Hambly. E. & M. J., vol. 81, p. 270. 7 columns. I.

Vertical vs. Inclined Shafts. Min. & Sci. Press, vol. 41, p. 151. ⅔ column.

Number and Arrangement of Shaft Compartments: The Rand. M. & M., vol. 26, p. 413.

Location of Hoisting Shafts. M. & M., vol. 20, p. 277. 12 columns.

The Selection of Sites for the Sinking of Shafts: The Unreliability of Borings. M. & M., vol. 18, p. 132. 3 columns. I.

Shafts (Inclined) in Lake Superior Copper Mines. E. & M. J., vol. 78, p. 825. 3 columns. I.

The Economic Theory of Shafts and Slopes for Flat Coal Seams. By E. Brackett. E. & M. J., vol. 74, p. 375, 6 columns; p. 407, 6 columns.

Misplacement of Mining Shafts and Adits. By S. Hunter. E. & M. J., vol. 80, p. 248, 6 columns, I.; p. 306, 1½ columns, I.

Opening Coal Mines: Size of Shafts, Machinery, etc. By A. Wasmuth. E. & M. J., vol. 31, p. 285. ⅔ column.

Development by Shafts in Western Australia. Gold Min. & Mill. W. Aus., p. 156. 10 pages. I.

Inclines on the Veins vs. Vertical Shafts and Cross-Cuts. E. & M. J., vol. 56, p. 662. 1 column.

Sinking or Tunneling. E. & M. J., vol. 68, p. 700. 1⅓ columns.

Forms of Mine Shafts. Min. & Sci. Press, vol. 87, p. 246. 1½ columns.

Shaft Construction and Inspection. Min. & Sci. Press, vol. 87, p. 267. 1 column.

Arrangement and Forms of Shafts (Circular and Rectangular), Deep Level Mines of the Rand. M. & M., vol. 26, p. 473. I.

A Comparison of Rectangular and Circular Shafts on the Rand. T. I. M. & M., vol. 15, p. 364. 3 pages. I.

Mine Shafts. E. & M. J., vol. 23, p. 124.

Shafts on the Rand: Round. Gold Mines of the Rand, p. 113. 6 pages. I.

Rate of Shaft-Sinking on Rand. Gold Mines of the Rand, p. 125. 2 pages.

Round Shafts in China. T. A. I. M. E., vol. 16, p. 98.

Circular Shafts. The Witwatersrand Gold-Fields, p. 186. I.

Circular or Rectangular Shafts for Coal Mines. E. & M. J., vol. 77, p. 952. 1½ columns.

The Maltby New Circular Shaft: Method of Sinking. Rept. Inspr. Mines Pa., 1875, p. 167. ⅓ page.

Jermyn's New Shaft: Method of Sinking. Rept. Inspr. Mines Pa., 1876, p. 168. 1 page+.

Circular Shafts at Hulton Colliery, England. M. & M., vol. 27, p. 245. ½ column. I.

Round Shaft: Arrangement of Compartments, Lining, etc. T. I. M. & M., vol. 6, p. 160.

Dimensions of Shafts of the Alaska-Treadwell Mines. E. & M. J., vol. 76, p. 583. Table.

Size of Mine Shafts in New South Wales. Annl. Min. Rept. N. S. Wales, 1899, p. 156, 3 pages; 1903, p. 119, 4 pages.

Size of Shafts. Min. & Sci. Press, vol. 49, p. 12. ½ column.

Size of Shaft. M. & M., vol. 21, p. 22. ½ column. I.

A Big Mining Shaft. Min. & Sci. Press, vol. 52, p. 189. ⅔ column.

Dimensions of Shafts in Queensland, also Methods of Sinking and Timbering. T. I. M. E., vol. 21, p. 383.

Size of Hoisting Shaft. M. & M., Apr., 1901, p. 409.

The Big Shafts of Guanajuato. By T. A. Rickard. Min. & Sci. Press, vol. 94, p. 185. 7 columns. I.

Deep Shafts (of the World). Min. & Sci. Press, vol. 74, p. 133. Table.

Dimensions of Shafts in Pennsylvania Coal Mines. Rept. Inspr. Mines Pa., 1873, p. 245. 5 pages. Tables.

The New Yellow Jacket Shaft: Depth and Dimensions, for Skip, Comstock Lode. Min. & Sci. Press, vol. 36, p. 6. 3⅙ columns.

Deep Mining Shafts in Europe. Min. & Sci. Press, vol. 35, p. 214. ¾ column.

Deep Mining Shafts in Europe. Min. & Sci. Press, vol. 40, p. 338. ¾ column.

No. 5 Shaft at the Tamarack Mine. By W. E. Parnell, Jr. T. L. S. M. I., vol. 7, p. 50. 12 pages. I.

Depths of Shafts on the Rand. T. I. M. & M., vol. 11, p. 60.

Notes on Deep Shaft Sinking in the Lake Superior Copper Mining District. By W. McDermott. T. I. M. & M., vol. 4, p. 153.

Deep-Level Shafts on the Witwatersrand, with Remarks on a Method of Working the Greatest Number of Deep-Level Mines with the Fewest Possible Shafts. By T. H. Leggett. T. A. I. M. E., vol. 30, p. 947.

Sinking Deep Shafts at German Collieries. E. & M. J., vol. 71, p. 661. ¾ column.

Typical Examples of Deep Level Shafts on the Rand. T. I. M. & M., vol. 15, p. 336. I.

Size of Shafts on Rand. T. I. M. & M., vol. 15, p. 334. 2 pages. I.

Depths of Different Shafts. M. & M., vol. 17, p. 289. 1 column. Table.

Slope Mining in the Anthracite Fields. The Anth. Coal Industry. By Peter Roberts. p. 22. 2 pages. I.

Advantages of Slopes over Shafts. Coll. Engr., vol. 13, p. 56, ½ column; p. 128, 1 column.

Slopes, Planes, and Inside Slopes. By H. M. Chance. 2d Geol. Survey Pa., A. C., p. 193. 9 pages. I.

Slope Sinking and Timbering. By M. S. Hachita. E. & M. J., vol. 83, p. 1153. 1 column.

Drifting in the Joplin District. E. & M. J., vol. 84, p. 257. 3 columns. I.

Mining Hard Ground (Drifting). By W. A. T. Davies. E. & M. J., vol. 82, p. 779. 7¾ columns. I.

Use of Exploratory Holes in Drifting (Feelers). T. L. S. M. I., vol. 11, p. 144. ½ page. I.

Levels and Winzes on the Rand. Gold Mines of the Rand, p. 121. 2 pages. I.

The Tunnel as a Factor in Mining. Min. & Sci. Press, vol. 89, p. 1. 1⅔ columns.

SINKING AND TUNNELING: Development Work. Min. & Sci. Press, vol. 85, p. 313. 2 columns.

SINKING VS. TUNNELING IN DEVELOPMENT WORK. Min. & Sci. Press, vol. 80, p. 348. 1 column.

METHOD OF DRIVING AIRWAY FROM GANGWAY TO SURFACE: Coll. Engr. & Met. Miner, vol. 14, p. 271. 1½ columns.

METHODS OF DRIVING THROUGH DIFFICULT GROUND (Spilling). E. & M. J., vol. 23, p. 92. ½ column. I.

PROSPECTING DRIFTS, SHAFTS, AND TUNNELS. By H. M. Chance. 2d Geol. Survey Pa., A. C., p. 26. 6 pages.

DRIVING OF LEVELS AND CROSSCUTS, AND WINNING THE ORE, WITWATERSRAND, SOUTH AFRICA. Sch. Mines Quart., vol. 20, p. 389. 3½ pages.

DRIFTING, RAISING, STOPING, BLASTING, ETC., AT ROSSLAND, BRITISH COLUMBIA. M. & M., vol. 21, p. 365. 2 columns. I.

CROSS-CUTTING, DRIFTING, RAISING AND STOPING, WINZES IN THE BUTTE, MONTANA, MINES. M. & M., vol. 21, p. 104. 4 columns. I.

THE DRIVING OF A STONE-DRIFT AT THE WEST WYLAM COLLIERIES. By S. Bates. T. I. M. E., vol. 18, p. 120. 7 pages.

GOB-ENTRY VS. NARROW ENTRY: The Methods of Working at the Thomas Mines, Whitwell, Tennessee. By J. Cain. M. & M., vol. 19, p. 57. 5¾ columns. I.

LENGTHS OF ENTRIES AND THE WIDTHS OF ROOMS AND PILLARS. M. & M., vol. 19, p. 524. 1¾ columns. I.

NOTES ON WORK DONE BY THE STANLEY HEADING-MACHINES AT HAMILTON PALACE COLLIERY. By J. S. Dixon. T. F. I. M. E., vol. 5, p. 4. 5 pages.

STANLEY'S COAL HEADING MACHINE: Machine Drifting. T. F. I. M. E., vol. 1, plate II.

Shaft-Sinking: Processes, Applications, Rate of Sinking, etc.

THE FREEZING PROCESS. P. C. M., vol. 2, p. 219. 12 pages. I.

EXCAVATING FOR FOUNDATIONS BY THE FREEZING PROCESS. J. W. Soc. E., vol. 1, p. 443. 6 pages. I.

SHAFT SINKING BY THE FREEZING PROCESS. By S. F. Walker. E. & M. J., vol. 84, p. 684. 12 columns.

CARE OF THE PLANT IN SINKING BY REFRIGERATION. E. & M. J., vol. 84, p. 777. 6½ columns.

MECHANICAL PRODUCTION OF LOW TEMPERATURES (for Cooling Deep Workings and Shaft Sinking). By S. F. Walker. E. & M. J., vol. 83, p. 1184. 10 columns. I.

GOEBHARDT AND KOENIG FREEZING PROCESS. M. & M., vol. 26, p. 467. 2½ columns. I.

MINING WITH AID OF REFRIGERATION: Poetsch's Freezing Apparatus. Min. & Sci. Press, vol. 80, p. 348. ¾ column. I.

THE FREEZING PROCESS IN SHAFT SINKING. Min. & Sci. Press, vol. 63, p. 351. 2 columns. I.

SHAFT-SINKING BY FREEZING: The Poetsch System. Min. & Sci. Press, vol. 49, p. 117. 4 columns. I.

SINKING A SHAFT IN QUICKSAND BY THE FREEZING PROCESS. Min. & Sci. Press, vol. 87, p. 69. 1 column.

THE FREEZING PROCESS AS APPLIED AT IRON MOUNTAIN, MICHIGAN, IN SINKING A SHAFT THROUGH QUICKSAND. By D. E. Moran. Sch. Mines Quart., vol. 11, p. 237. 16 pages. I.

THE FREEZING METHOD OF SINKING SHAFTS THROUGH WATER BEARING STRATA. E. & M. J., vol. 41, p. 337. ⅔ column. I.

THE POETSCH SYSTEM OF SINKING THROUGH QUICKSAND. E. & M. J., vol. 36, p. 343. 1 column.

SHAFT SINKING BY THE POETSCH-SOOYSMITH FREEZING PROCESS. E. & M. J., vol. 49, p. 85. 4 columns. I.

THE POETSCH SYSTEM OF SHAFT SINKING THROUGH SHIFTING GROUND. By M. Abby. E. & M. J., vol. 44, p. 486. 1 column+.

HARRIS METHOD OF SOLIDIFYING QUICKSAND. E. & M. J., vol. 54, p. 272. 1½ columns. I.

METHODS OF SHAFT-SINKING: Kind-Chaudron, and Freezing Method. Mech. Eng. Coll., vol. 1, p. 75. 5 pages. I.

THE GOBERT FREEZING PROCESS OF SHAFT-SINKING. By A. Gobert. T. F. I. M. E., vol. 11, p. 297. 9 pages. I.

SINKING SHAFTS BY CONGELATION AT AUZIN COLLIERY. E. & M. J., vol. 59, p. 174. 1 column.

SINKING BY THE FREEZING METHOD AT WASHINGTON, COUNTY DURHAM. By M. Ford. T. I. M. E., vol. 23, p. 258, 4 pages; vol. 24, p. 293, 14 pages, I.

SINKING BY FREEZING. By A. Gobert. T. I. M. E., vol. 23, p. 699. 6 pages. I.

NOTES ON SINKING TWO SHAFTS BY POETSCH'S FREEZING PROCESS. By H. F. Olds. T. I. M. & M., vol. 4, p. 241.

NOTES ON THE SINKING AT THE LENS COLLIERIES, NO. 10 PIT, BY THE POETSCH SYSTEM. By N. R. Griffith. T. F. I. M. E., vol. 2, p. 441. 2 pages.

SINKING DEEP SHAFTS BY THE FREEZING PROCESS. E. & M. J., vol. 67, p. 321. 2 columns. I.

SINKING OF SHAFTS THROUGH SAND AT ARDEER, AYRSHIRE, BY THE PNEUMATIC PROCESS, ETC. By T. H. Mottram. T. I. M. E., vol. 30, p. 205. 34 pages. I.

SINKING THROUGH RUNNING SAND. P. C. M., vol. 2, p. 207. 12 pages. I.

A CONCRETE SHAFT SINKING THROUGH QUICKSAND. E. & M. J., vol. 83, p. 1239. 1½ columns.

THE SYRACUSE SHAFT ON THE MESABI. E. & M. J., vol. 84, p. 66. 8 columns. I.

SINKING WITH SAND TUBBING. Coll. Engr. & Met. Miner, vol. 14, p. 322. 1¼ columns. I.

SHAFT-SINKING THROUGH QUICKSAND AT SUSQUEHANNA MINE, HIBBING, MINNESOTA. By H. B. Sturtevant. T. L. S. M. I., vol. 10, p. 60. 6 pages. I; M. & M., Nov., 1904, p. 191.

SINKING THROUGH QUICKSAND AT MINNIE PIT, PODMORE HALL COLLIERY. By W. R. Wilson. T. N. S. I. M. & M. E., vol. 7, p. 113. 11 pages. I.

SINKING THROUGH QUICKSAND AT THE MINNIE PIT. Discussion. T. N. S. I. M. & M. E., vol. 7, p. 240. 4 pages.

MODERN METHODS IN SHAFT SINKING: Soft Formations. M. & M., vol. 26, p. 311. 5½ columns. I.

SINKING THROUGH SWAMP, CLAY AND SAND. By W. Tattley. T. I. M. E., vol. 21, p. 11. 8 pages. I.

SINKING SHAFTS THROUGH QUICKSAND. E. & M. J., vol. 57, p. 30. 1 column. I.

THREE DIFFERENT METHODS OF SINKING THROUGH RUNNING SAND. E. & M. J., vol. 10, p. 371. 2½ columns.

SHAFT SINKING IN QUICKSAND. By G. C. McFarlane. E. & M. J., vol. 81, p. 132. 6 columns. I.

HAASE'S SYSTEM OF SINKING THROUGH QUICKSANDS. E. & M. J., vol. 49, p. 702. ⅓ column. I.

RICHMOND NO. 3 SHAFT: Methods Employed in Sinking through Quicksand Near Scranton to Connect with Workings Below. By F. G. Wolfe. M. & M., Nov., 1904, p. 188.

SINKING A SHAFT THROUGH LOOSE MATERIAL. By A. McC. Parker. Sch. Mines Quart., vol. 9, p. 1. 6 pages. I.

Tubbing in Continental Collieries. E. & M. J., vol. 37, p. 44. 1 column.

Sinking Through Quicksand at an English Colliery. Sch. Mines Quart., vol. 37, p. 103. 1 column.

Progress in Sinking Shafts: A Description of Some of the Latest Devices Employed in Germany for Sinking through Running Ground. M. & M., Mar., 1905, p. 410. 5½ columns. I.

Sinking Through Wet Gravel and Quicksand Near Norway, Michigan. By W. Kelly. T. A. I. M. E., vol. 20, p. 188.

Method of Shaft Sinking in Wet Gravel. Min. & Sci. Press, vol. 78, p. 666. 1 column. I.

A New Method of Shaft-Sinking Through Water-Bearing Loose Materials. By J. E. Mills. T. A. I. M. E., vol. 13, p. 216.

Shaft Sinking Through Water-Bearing Formations. By E. M. Heriot. E. & M. J., vol. 82, p. 1107, 10 columns, I.; p. 1158, 10 columns, I.; p. 1205, 11⅔ columns, I.

Sinking a Shaft Through Water-Bearing Material. Min. & Sci. Press, vol, 92, p. 261. 1 column.

Wet Sinking in Arizona. By R. B. Brinsmade. M. & M., vol. 27, p. 97. 5 columns. I.

Sinking Cofferdam and Piles by Aid of Water Jet. Eng.-Cont., vol. 27, p. 35. 1 column.

Description of the Sinking of Two Shafts Through Heavily-Watered Strata at Maypole Colliery, Abram, Near Wigan. By J. Keen. T. I. M. E., vol. 19, p. 462. 12 pages. I.

Sinking Shafts by the Cementing Process. By H. Schmerber. E. & M. J., vol. 82, p. 926. 1½ columns. I.

Direct Cementation in Shaft Sinking. By C. Dinoire. E. & M. J., vol. 82, p. 159. 7½ columns. I.

Formula for Determining the Thickness of Tubbing at Various Depths Below the Surface. T. A. I. M. E., vol. 5, p. 119.

An Account of Sinking and Tubbing at Methley Junction Colliery. By I. Hodges. T. I. M. E., vol. 32, p. 76. 10 pages. I.

The Garforth Collieries, with Special Reference to the Failures of Tubbing and Inundations which Occurred in 1872 and 1883. By R. Routledge. T. F. I. M. E., vol. 9, p. 150. 8 pages. I.

Sinking Iron Cylinders in Shafts. Am. Jour. Min., vol. 7, p. 241. 1 column.

System of Drop Shafts. Sch. Mines Quart., vol. 24, p. 363. 13 pages. I.

Shaft Sinking for Salt: A Drop-Shaft. E. & M. J., vol. 80, p. 972. 3 columns. I.

A Challenge Shaft-Sinking Record. E. & M. J., vol. 47, p. 11, ½ column; p. 135, ½ column.

A New Drop-Shaft. By A. Formis. E. & M. J., vol. 73, p. 583. 1½ columns. I.

Sinking on the Seashore at Musselburgh: Use of Drop-Shaft. By R. Martin. T. I. M. E., vol. 24, p. 126. 6 pages. I.

The Harrison Drop-Shaft, Michigan. T. A. I. M. E., vol. 20, pp. 191, 192, 193, 194.

Sinking Shafts by Interlocking Channel Bars. M. & M., Sept., 1902, p. 72. 1¼ columns.

Notes on the Construction of Mine Bulkheads. By Wm. Thompson. J. C. M. I., vol. 7, p. 82. 4 pages. I.

Walling and Sinking Simultaneously with the Galloway Scaffold. By J. Morison. T. F. I. M. E., vol. 8, p. 118. 8 pages. I.

Bucket, Yoke and Top Platform Used in Sinking Parker Shaft, Franklin Furnace, New Jersey. M. & M., vol. 20, p. 484. 2 columns. I.

Walker's Patent Drill Frame for Sinking Shafts. Mech. Eng. Coll., vol. 1, p. 38. 8 pages. I.

Devices for Shaft-Sinking. By D. F. Campbell. Min. & Sci. Press, vol. 93, p. 656. 1 column. I.

Cross-Head or Rider for Bucket Sinking. P. C. M., vol. 2, p. 172. 1 page. I.

The Cross-Head and Bucket in Vertical Shafts. Min. & Sci. Press, vol. 78, p. 350. 1⅓ columns. I.

The Cross-Head in Shafts. Min. & Sci. Press, vol. 78, p. 481. 1½ columns. I.

The Kind-Chaudron Method of Shaft Sinking. P. C. M., vol. 2, p. 191. 15 pages. I.

Chaudron's System of Sinking Shafts Through Aqueous Strata without Using Pumping Machinery. By H. Simon. T. N. S. I. M. & M. E., vol. 2, p. 239. 9 pages.

Modified Kind-Chaudron Trepan for Shaft-Sinking. Min. Mag., vol. 13, p. 196. 4 columns. I.

Shaft-Sinking by the Kind-Chaudron Process. By M. Bodart. Min. Mag., vol. 11, p. 465. 2 columns. I.

Kind-Chaudron Process of Sinking. M. & M., vol. 19, p. 41. 2½ columns. I.

Triger's Method of Sinking and the Kind-Chaudron Process. Coll. Engr. & Met. Miner, vol. 15, p. 18, 3⅓ columns, I.; p. 89, 3 columns, I.

The Kind-Chaudron Process for Sinking and Tubbing Mining Shafts. By J. Derby. T. A. I. M. E., vol. 5, p. 117.

The Kind-Chaudron Method of Shaft-Sinking. By L. Ramakers. Min. Mag., Apr., 1905, vol. 11, p. 323. 10 columns. I.

Movable Point for Drill-Pump in Shaft Sinking. Min. & Sci. Press, vol. 50, p. 49. ¾ column. I.

Shaft-Sinking by Means of Large Drills. E. & M. J., vol. 13, p. 113, 2 columns, I.; p. 389, ⅔ column.

Shaft Sinking by Boring. Sch. Mines Quart., vol. 24, p. 377. 24 pages. I.

A New Shaft-Boring Apparatus. M. & M., vol. 26, p. 73. 1 column.

Kind-Chaudron and Other Shaft-Sinking Methods. E. & M. J., vol. 49, p. 729. 5 columns. I.

Honigmann System of Boring and Sinking Shafts. By T. Lichtenberger. T. F. I. M. E., vol. 13, p. 155. 5 pages. I.

Rate of Shaft-Sinking with Rock-Drills. T. F. I. M. E., vol. 8, p. 19, also 20.

Sinking with Rock-Drills. By F. Coulson. T. F. I. M. E., vol. 8, p. 17. 9 pages. I.

A German Shaft-Sinking Drill. E. & M. J., vol. 71, p. 594. ⅞ column. I.

Shaft-Sinking with Small Machines. By A. B. Foote. Min. & Sci. Press, vol. 93, p. 447. 2¼ columns. I.

Arrangement of Holes in Shaft Sinking. Min. & Sci. Press, vol. 88, p. 127. I.

Arrangement of Holes in Shaft Sinking at the Davis Pyrites Mine, Massachusetts. E. & M. J., vol. 82, p. 676. I.

Arrangement of Holes in Sinking the Kennedy Shaft. Min. & Sci. Press, vol. 90, p. 333. I.

Arrangements of Holes in Driving Winzes, Raises, Crosscuts, etc. Witwatersrand Gold-Fields, pp. 288, 289, 290, 291, 293, 294, 295.

The Best Shape for a Shaft. Min. & Sci. Press, vol. 92, p. 120, 2 columns, I.; p. 139, 2¾ columns, I.; p. 156, 2¾ columns, I.; p. 176, 3½ columns, I.; p. 196, 1⅓ columns; p. 215, 1¾ columns; p. 234, 2 columns; pp. 254–255, 4 columns, I.; p. 308, ¾ column, I.

The Best Shape for a Shaft. Min. & Sci. Press, vol. 93, p. 167, 2½ columns, I.; p. 256, 4 columns, I.; p. 473, ¾ column.

Sinking, Development and Underground Equipment of Deep Level Shafts on the Rand. By A. E. Pettit. T. I. M. & M., vol. 15, p. 333. 36 pages. I.

Opening Deep Mines: Number and Size of Shafts, etc. Min. & Sci. Press, vol. 52, p. 224. 1¼ columns.

Colliery Shaft Sinking. P. C. M., vol. 1, p. 131, 29 pages, I.; vol. 2, p. 161, 62 pages.

Shaft Sinking at the Pioneer Mine, Ely, Minnesota. J. C. M. I., vol. 7, p. 352. 12 pages. I.

Notes on Vertical Shaft-Sinking on the Witwatersrand. By H. F. Roche. P. C. M. & M. Soc. S. A., vol. 5, p. 200, 8 columns, I.; vol. 6, p. 17, 4 columns.

Sinking Dominion No. 1 Shaft. By J. Johnstone. J. M. Soc. N. S., vol. 3, p. 108. 4 pages. I.

Shaft Sinking at the Dover Colliery, England, by Trepan. T. I. M. E., vol. 27, p. 564. 6½ pages. I.

Sherwood Colliery Sinking. By J. W. Fryar. T. I. M. E., vol. 26, p. 475. 20 pages. I.

Shaft Sinking at Cinderella Deep. By A. M. A. Johnson. E. & M. J., vol. 82, p. 1060. 2 columns.

Shaft Sinking in the Joplin District. E. & M. J., vol. 84, p. 256. 4 columns. I.

Shaft-Sinking in Wisconsin Zinc Fields. E. & M. J., vol. 81, p. 1234. 1½ columns.

Shaft Sinking in the Hematite Mines of New York. E. & M. J., vol. 82, p. 494. 1 column.

Shaft Sinking at the Wolverine Mine. By W. R. Crane. E. & M. J., vol. 82, p. 741. 7 columns. I.

Shaft Sinking in Hard Ground. E. & M. J., vol. 82, p. 781. 2 columns. I.

Shaft Sinking at the Utica. T. A. I. M. E., special volume, California Mines and Minerals, p. 98. 6 pages. I.

Shaft-Sinking Through Solid Ice in the Behring Sea to Reach the Gold on the Bottom. Min. & Sci. Press, vol. 83, p. 51. 1½ columns. I.

Shaft-Sinking on the Rand, with Rate and Costs. Witwatersrand Gold-Fields, pp. 150, 191. 14 pages. I.

Shaft-Sinking at Butte, Montana: Size of Timbers and Method of Sinking through Quicksand. By B. H. Dunshee. M. & M., vol. 27, p. 262. 4 columns. I.

Shaft-Sinking in the Pocahontas Coal Field. M. & M., vol. 27, p. 283. 1¼ columns.

Shaft-Sinking by Rounds. Min. & Sci. Press, vol. 80, p. 552. 2 columns. Tables.

The Honigmann Method of Shaft-Sinking. By A. E. Hartmann. E. & M. J., vol. 81, p. 751. 1½ columns. I.

The Maple Hill Shaft: A Modern Colliery (Anthracite) Opening. Coll. Engr., vol. 13, p. 122. 3 columns. I.

Sinking and Equipping No. 9 Shaft, Ashland Mine, Michigan. By H. F. Ellard. T. L. S. M. I., vol. 9, p. 24. 7 pages. I.

Shaft Sinking with the Aid of Divers. By G. Nordenstrom. E. & M. J., vol. 58, p. 57. 1½ columns. I.

Notes on Sinking of Shafts. By R. Beith. Coll. Engr., vol. 8, p. 2. 12½ columns. I.

Shaft-Sinking at Rossland, British Columbia. M. & M., vol. 21, p. 364. ½ column. I.

The Great Belcher Air-Shaft: Comstock Lode. Min. & Sci. Press, vol. 29, p. 266, 1¼ columns; p. 326, ¾ column.

The C. & C. Shaft. Min. & Sci. Press, vol. 31, p. 290. 1¾ columns.

Prospect Holes and Shafts. Min. & Sci. Press, vol. 31, p. 40. ⅔ column.

Deep Mining Shafts in Europe. Min. & Sci. Press, vol. 32, p. 264. ¾ column.

Sinking Parker Shaft at Zinc Mines, Franklin Furnace, New Jersey: Much Water. By J. A. V. Mater. M. & M., vol. 20, p. 481. 9 columns. I.

Mine Shafts, England. By W. W. Smyth. E. & M. J., vol. 23, p. 124, 2 columns; p. 139, ⅔ column; p. 155, 1 column; p. 205, 1½ columns.

Vertical Method of Sinking a Shaft by Spiling. M. & M., vol. 20, p. 313. ⅔ column. I.

Summary of Work Done in Sinking Shafts, Winzes and Cutting Raises at Ashland Mine, Michigan. T. L. S. M. I. vol. 9, p. 35. Table.

The Westmoreland Shaft. By W. P. Little and T. B. Stearns. Sch. Mines Quart., vol. 2, p. 103. 5 pages.

The Latest Progress in Shaft-Sinking. By Chief Engineer Riemer. Sch. Mines Quart., vol. 24, p. 361. 40 pages. I.

The Sinking of the Ladd Shafts. By G. S. Rice. Sch. Mines Quart., vol. 16, p. 234. 15 pages. I.

Shaft-Sinking and Equipment. By J. T. Beard. Coll. Engr. & Met. Miner, vol. 15, p. 27, 4 columns, I.; p. 51, 2½ columns, I.
M. & M., vol. 21, p. 506. ¾ column.

Shaft-Sinking and Timbering. By H. M. Chance. 2d Geol. Survey Pa., A. C., p 59. 17 pages. I.

Modern Methods in Shaft Sinking: An Account of Some Recent Improvements in Shaft-Sinking Methods in Great Britain. By J. Tonge. M. & M., vol. 26, p. 225. 5 columns. I.

Shaft Sinking by the Jetting Process. By G. C. McFarlane. E. & M. J., vol. 79, p. 901. 5 columns. I.

Shaft-Sinking. By T. C. Futers. Mech. Eng. Coll., vol. 1, p. 29. 50 pages. I.

Sinking a Deep Coal Shaft at Atchison, Kansas. By W. R. Crane. E. & M. J., vol. 74, p. 108. 4 columns. I.

Sinking "C" Shaft, West Vulcan. By Capt. W. Bond. T. L. S. M. I., vol. 2, p. 105. 6 pages. I.

Notes on Shaft Sinking. By Wm. Teague. T. I. M. & M., vol. 6, p. 159.

Notes on the Sinking of the No. 1 Pit at the Ackton Hall Colliery, with Special Reference to the Thinning Out of the Silkstone and Beeston Coal-Seams. By H. St. John Dunford. T. F. I. M. E., vol. 10, p. 444. 10 pages. I.

Sinking Operations at Kingsbury Colliery, Warwickshire. By J. P. Kenrick. T. F. I. M. E., vol. 13, p. 269. 8 pages. I.

Sinking of Shaft "B," Barnum Mine, Ishpeming, Michigan. By R. H. Vondy. Sch. Mines Quart., vol. 3, p. 277. 5 pages. I.

The Sache Shaft Sinking Process. E. & M. J., vol. 57, p. 320. ¾ column.

Shaft-Sinking and Timbering at the Bertha Zinc Mines, Virginia. By W. H. Case. E. & M. J., vol. 56, p. 474. 2 columns. I.

Notes on the Sinking of Two Shafts at Claravale Colliery, Near Wylam-upon-Tyne, England. By F. R. Simpson. T. F. I. M. E., vol. 13, p. 193. 7 pages. I.

The Enlargement of a Shaft at Lidgett Colliery without Interruption of Coal-Winding. By H. E. Maltby. T. F. I. M. E., vol. 12, p. 642. 3 pages. I.

Sinking, Surface-Fittings, and Coal-Cleaning Plant at Whistleberry Colliery, Hamilton, England. By J. Hastie. T. F. I. M. E. vol. 12, p. 622. 9 pages. I.

SINKING OF THE RHEIN-PREUSSEN COLLIERY NOS. IV AND V SHAFTS. By W. H. Hepplewhite. T. I. M. E., vol. 25, p. 148. 3 pages. I.

SINKING OF THE BURLEY SHAFT IN BALD INDIAN BAY, LAKE OF THE WOODS. J. C. M. I., vol. 2, p. 87, etc. I.

NOTES ON SINKING TO THE PARKGATE SEAM AT MITCHELL MAIN COLLIERY. By W. Washington. T. I. M. E., vol. 20, p. 146. 4 pages. I.

SHAFT SINKING IN BUTTE, MONTANA. M. & M., vol. 21, p. 103. 1 column. I.

SHAFT SINKING AT THE WHIPPLE COLLIERY, WEST VIRGINIA. M. & M., May, 1904, p. 501.

PROGRESS IN SHAFT SINKING: A Description of Some of the Latest Devices Employed in Germany for Sinking through Running Ground. By Riemer. M. & M., Jan., 1905, p. 309. 7½ columns.

A NEW METHOD OF SHAFT SINKING. By G. C. McFarlane. E. & M. J., vol. 69, p. 411. 1¾ columns. I.

SINKING NO. 5 SHAFT AT THE TAMARACK MINE, MICHIGAN. By W. E. Parnell, Jr. E. & M. J., vol. 71, p. 461. 5½ columns. I.

A NEW METHOD OF SINKING SHAFTS. By E. B. Coxe. T. A. I. M. E., vol. 1, p. 261.

SHAFT SINKING UNDER WATER AT LAKE OF THE WOODS. By J. B. Smith. E. & M. J., vol. 67, p. 532. 2 columns. I.

SHAFT SINKING AND SALT MINING AT GODERICH, HURON COUNTY, ONTARIO, CANADA. By J. H. Harden. T. A. I. M. E., vol. 5, p. 506.

THE HOLLENBACK SHAFT, LEHIGH AND WILKES-BARRE COAL COMPANY, LUZERNE COUNTY, PENNSYLVANIA. By J. H. Harden. T. A. I. M. E., vol. 5, p. 502.

A PROSPECTING SHAFT IN THE GOLDFIELD DISTRICT, GOLDFIELD, NEVADA. By E. E. Collins. T. I. M. & M., vol. 15, p. 540. 3 pages.

DRAINAGE OF A SHAFT WHILE BEING SUNK IN AUSTRIA. By V. Kadainka. T. I. M. E., vol. 26, p. 630. 1¼ pages.

SINKING A SHAFT SUMP IN ADVANCE (to Drain Out Water). Min. & Sci. Press, vol. 65, p. 137. 2 columns. I.

REPAIRING A CAVED SHAFT. E. & M. J., vol. 77, p. 889. 1⅓ columns. I.

WELL-SINKING IN THE PUNJAB. By R. P. Simpson. T. I. M. E., vol. 26, p. 47. 9 pages. I.

SHAFT-BUILDING BY RAISING. By W. H. Storms. Min. & Sci. Press, vol. 94, p. 246. 5½ columns. I.

CONSTRUCTION OF AN UPRISE. Min. & Sci. Press, vol. 80, p. 41. 1 column.

SINKING SHAFTS WITH BUCKET. Coll. Engr. & Met. Miner, vol. 15, p. 138. 2½ columns. I.

SINKING WITH THE BUCKET. M. & M., Apr., 1905, p. 432. 2 columns. I.

SHAFT SINKING IN THE ANTHRACITE FIELDS: Size of Shafts. The Anth. Coal Industry. By Peter Roberts. p. 23. 6 pages. I.

SECTION THROUGH RANDAL SHAFT, NEW ALMADEN QUICKSILVER MINE. Min. & Sci. Press, vol. 61, p. 9. 2 columns.

DEEP LEVEL SHAFTS ON THE RAND. M. & M., vol. 26, p. 472. 8 columns. I.

ALLAN SHAFTS: A Description of the Progress in Sinking and the Methods Employed at Two Shafts of the Arcadia Coal Company. By H. S. Patterson. M. & M., vol. 26, p. 342. 2½ columns. I.

UNUSUAL SHAFT SINKING. Min. & Sci. Press, vol. 92, p. 383. 1 column.

SPEED AND COST OF SINKING IN WEST AUSTRALIA. Gold Min. & Mill. W. Aus., p. 165. 3 pages.

RATE OF SHAFT SINKING. T. I. M. & M., vol. 11, p. 338. Table.

SAFE SINK OF SHAFTS AT GREAT SPEED. T. I. M. & M., vol. 11, p. 221.

NOTE ON THE COST AND SPEED OF SINKING THE EAST SHAFT OF THE NEW KLEINFONTEIN COMPANY, BENONI, SOUTH AFRICA. By E. J. Way. T. A. I. M. E., vol. 35, p. 397. 2 pages.

RAPID SHAFT SINKING. Min. Mag., July, 1904, p. 44.

Value of Mines: Sampling and Estimation of Mines; Ore Reserves, Ore in Sight, Mine Reports, etc.

VALUATION OF MINNESOTA MINERAL LANDS. E. & M. J., vol. 84, p. 558. 1 column.

VALUING MINERAL LANDS FOR TAXATION. E. & M. J., Mar. 2, 1905, p. 409.

NOTES ON VALUING A GOLD MINE. By T. L. Carter. J. C. & M. Soc. S. A., vol. 3, p. 81. 24 pages. I.

A GRAPHIC METHOD APPLIED TO DELINEATING ORE BODIES, WITH NOTES ON SAMPLING AND ESTIMATING ORE RESERVES. By A. G. Charleton. T. I. M. & M., vol. 9, p. 203. 28 pages. I.

ORE VALUATION OF A WITWATERSRAND MINE. By E. J. Way. T. I. M. & M., vol. 15, p. 134. 8 pages.

THE VALUATION OF MINERAL PROPERTIES. By T. A. O'Donahue. T. I. M. E., vol. 32, p. 399. 21½ pages.

VALUING DREDGING GROUND AT OROVILLE, CALIFORNIA. T. I. M. & M., vol. 12, p. 452. 10 pages. I.

PRESENT VALUE OF MINES. P. C. M. & M. Soc. S. A., vol. 5, p. 185. ½ column.

METHODS AND VALUES ON THE YUKON. By J. D. McGillivray. E. & M. J., vol. 75, p. 891. 4¾ columns. I.

MINE VALUATION. E. & M. J., vol. 78, p. 5. ¾ column.

THE SAMPLING AND ESTIMATION OF ORE IN A MINE. By T. A. Rickard. E. & M. J., vol. 75, p. 213, 5½ columns, I.; p. 254, 5 columns; p. 290, 5¼ columns, I.; p. 362, 5½ columns, I.; p. 438, 4 columns; p. 513, 1½ columns; p. 515, 2 columns; p. 555, 3½ columns, I; vol. 75, p. 590, 4 columns, I.; p. 626, 4½ columns, I.; p. 662, 2½ columns, I.; vol. 76, p. 116, 1¾ columns, I.; p. 498, 2½ columns; p. 730, 2 columns.

WITWATERSRAND MINE VALUES. By J. H. Curle. E. & M. J., vol. 80, p. 873. 4 columns.

THE VALUATION OF MINES. E. & M. J., vol. 75, p. 176. 1½ columns.

FORMULA TO DETERMINE CAPITALIZATION OR TRUE WORTH OF A MINE HAVING A GIVEN YEARLY NET PROFIT. Min. & Sci. Press, vol. 92, p. 102. ¾ column.

OVERRATING THE VALUE OF MINING PROPERTIES. Min. & Sci. Press, vol. 38, p. 336. 1½ columns.

HOW VALUABLE MINES SHOULD BE RECOGNIZED, PROSPECTED AND WORKED. Min. & Sci. Press, vol. 32, p. 364, ¾ column; p. 376, ½ column; p. 393, ½ column; p. 408, ½ column; vol. 33, p. 81, ½ column.

SAMPLING AND ESTIMATION OR VALUATION OF MINES ON THE RAND. Witwatersrand Gold-Fields, p. 305. 30 pages. I.

SAMPLING, ESTIMATION OF VALUE AND AMOUNT OF ORE IN A MINE. Min. & Sci. Press, vol. 86, p. 196+. 5 columns.

VALUATION OF MINES. Min. & Sci. Press, vol. 86, p. 209. 1½ columns.

MINING ENGINEER IN THE VALUATION OF MINES. Min. & Sci. Press, vol. 86, p. 228. 3½ columns. I.

VALUE OF UNDEVELOPED MINING CLAIMS. By G. R. Mickle. M. & M., vol. 27, p. 86. 2¾ columns. I.

MINE VALUATION BY MINE EXPERTS. Min. & Sci. Press, vol. 85, p. 269. 2 columns+.

THE VALUATION OF MINES. By R. W. Raymond. E. & M. J., vol. 28, p. 294, 3 columns, I.; p. 314, 2¼ columns.

The Logic of Valuation. E. & M. J., vol. 78, p. 898, 1⅔ columns; p. 978, 1 column; p. 981, 1½ columns.

Logical Method of Valuing Prospects. By B. Stevens. E. & M. J., vol. 77, p. 552. 1½ columns.

Valuing Metal Production. E. & M. J., vol. 77, p. 552. 1¾ columns.

Estimates of Ore in a Mine. E. & M. J., vol. 75, p. 552. 3½ columns. I.

Some Aspects of Mine Valuation. E. & M. J., vol. 75, p. 701. 3½ columns.

Mine Valuation. E. & M. J., vol. 75, p. 741, 3½ columns, I.; vol. 76, p. 689, ⅔ column.

Sampling and Estimation of Ore in a Mine. E. & M. J., vol. 75, p. 888. 4½ columns.

Cost per Ton as a Basis for Mine Valuation. By R. G. Brown. E. & M. J., vol. 76, p. 309. 2½ columns.

List of Papers and Works of Reference Bearing on the Subject of Sampling and Valuing Ores and Ore-Bodies. T. I. M. & M., vol. 9, p. 225.

Valuation of Iron-Mines in New York and New Jersey. By J. C. Smock. T. A. I. M. E., vol. 10, p. 288.

Equipment and Ore-Reserves. E. & M. J., vol. 78, p. 941. 1⅓ columns.

Engineering Valuations. Engineering, London, vol. 72, p. 2, 5 columns; p. 42, 5 columns; p. 141, 4 columns; p. 174, 4 columns; p. 414, 3 columns; p. 701, 4½ columns; p. 733, 4 columns.

Present Value of a Mine, How Figured? T. I. M. & M., vol. 6, p. 237.

Dredging and Valuing Dredging Ground in Oroville, California. By N. B. Knox. T. I. M. & M., vol. 12, p. 452. 11 pages. I.

Examination and Valuation of Mines. By Arthur Lakes. M. & M., Feb., 1903, p. 302.

Valuing a Mining Property: Some of the Difficulties Met with in Examining and Estimating the Value of a Mining Property. By A. Lakes. M. & M., May, 1901, p. 477. 2½ columns.

Calculating Mine Values. E. & M. J., vol. 78, p. 173. ½ column.

The Valuation of Mines of Definite Average Income. By H. D. Hoskold. T. A. I. M. E., vol. 33, p. 777.

Mine Valuation. E. & M. J., vol. 76, p. 383, 2 columns; p. 920, 1½ columns.

The Valuation of Gold Mines. By H. C. Hoover. E. & M. J., vol. 77, p. 801. 3 columns.

Equipment and Ore Reserves. E. & M. J., vol. 78, p. 90. 1 column.

Mine Valuation. E. & M. J., vol. 78, p. 461. 1¼ columns.

Determination of the Present Value of a Mine on the Rand. By F. Hellman. T. I. M. & M., vol. 6, p. 229.

Mining Investments. M. & M., vol. 21, p. 258. 2 columns.

Appraisal of the Value of Mineral Lands, with Especial Reference to Coal-Lands. By H. M. Chance. T. A. I. M. E., vol. 35, p. 347. 14 pages.

Examination and Valuation of Coal Properties. By R. Chauvenet. M. & M., vol. 26, p. 234. 2½ columns.

Valuation of Prospects. E. & M. J., vol. 78, p. 702. 3 columns. I.

Valuation of Coal. By C. E. Munroe. E. & M. J., vol. 31, p. 94, 2⅔ columns; p. 111, 3 columns.

Estimating and Sampling Ore Reserves as Practised on the Witwatersrand. By W. Wybergh. T. I. M. & M., vol. 4, p. 261.

E. & M. J., vol. 80, p. 824. 3 columns.

EQUIPMENT AND ORE RESERVES. E. & M. J., vol. 78, p. 859, 1½ columns; p. 861, 2 columns.

THE ECONOMIC RATIO OF TREATMENT CAPITAL TO ORE RESERVES. E. & M. J., vol. 78, p. 53. 6½ columns.

MINING COMPANIES SHOULD HOLD RESERVES. Min. & Sci. Press, vol. 40, p. 1. 1 column.

EQUIPMENT AND ORE RESERVES. E. & M. J., vol. 77, p. 468. 1 column.

THE ECONOMIC RATIO OF TREATMENT CAPACITY TO ORE RESERVES. By H. C. Hoover. E. & M. J., vol. 77, p. 475, 4 columns; p. 512, 1 column; p. 632, 3 columns; p. 636, ½ column; p. 712, 1¼ columns; p. 715, 3 columns; p. 835, 2¼ columns; p. 995, 2½ columns.

ORE-RESERVES. By M. R. Lamb. E. & M. J., Feb. 23, 1905, p. 382. 1 column.

SECRET RESERVES. By F. H. Bathurst. E. & M. J., vol. 77, p. 761, 1¾ columns; vol. 78, p. 860, 2 columns.

ORE RESERVES AND TREATMENT CAPACITY. E. & M. J., vol. 78, p. 253, 2½ columns; p. 819, 1⅔ columns.

ORE RESERVES IN GOLD MINES. E. & M. J., vol. 78, p. 173. 2 columns.

CALCULATING VALUE OF ORE RESERVES. By J. C. Little. E. & M. J., vol. 65, p. 764. 2 columns. I.

AUDITING OF ORE RESERVES. By B. I. Collings. E. & M. J., Mar. 23, 1905, p. 556. 1 column.

THE AUDITING OF ORE RESERVES. By B. I. Collings. P. C. M. & M. Soc. S. A., vol. 5, p. 144, 2 columns; p. 206, 11 columns; p. 232, 6 columns; p. 309, 1½ columns.

THE AUDITING OF ORE-RESERVES. By B. I. Collings. Min. Mag., vol. 11, p. 350.

ORE IN SIGHT. By J. D. Kendall. T. I. M. & M., vol. 10, p. 143, 23 pages, I.; p. 166, 37 pages.

ORE IN SIGHT: Importance of the Data Used in Estimating It. Illustrations of Erroneous Methods. By J. D. Kendall. M. & M., Aug., 1902, p. 13. 3¾ columns.

"ORE DEVELOPED:" A Definition. By P. Argall. E. & M. J., vol. 75, p. 260. 3¼ columns. I.

THE "LIFE" OF A MINE. Min. & Sci. Press, vol. 77, p. 53. 1 column.

LOOKING INTO THE GROUND. By H. F. Dawes. E. & M. J., vol. 53, p. 134. ⅔ column.

WEIGHT OF COAL, IN TONS, PER ACRE FROM 1 FOOT TO 40 FEET IN THICKNESS. Rept. Inspr. Mines Pa., 1875, p. 67. Table.

ESTIMATED AMOUNT OF ANTHRACITE YET TO BE MINED. The Anth. Coal Industry, by Peter Roberts, pp. 11 and 12. 2 pages.

TABLE OF TONNAGES: Output of Reefs or Veins of Given Widths and Pitches. T. I. M. & M., vol. 6, p. 238.

PERCENTAGE OF METAL CONTAINED IN ORES OF ECONOMIC IMPORTANCE. Rept. Census Office Mines & Quarries, 1902, p. 33. 2½ pages.

THE RELATIVE DISTRIBUTION OF GOLD AND SILVER VALUES IN THE ORES OF GILPIN COUNTY, COLORADO. By G. E. Collins. T. I. M. & M., vol. 12, p. 480. 19 pages. Map.

A GRAPHIC METHOD APPLIED TO DELINEATING ORE BODIES, WITH NOTES ON SAMPLING AND ESTIMATING ORE RESERVES. By A. G. Charleton. T. I. M. & M., vol. 9, p. 203. 30 pages.

ESTIMATION OF TONNAGE AND AVERAGE WIDTH OF ORE IN VEIN. T. I. M. & M., vol. 9, pp. 203, 205.

IS THERE AN ECONOMIC LIMIT TO THE OUTPUT OF A COAL MINE. By Wm. Blakemore. T. F. C. M. I., vol. 1, p. 257. 4 pages.

YIELD PER ACRE PER FOOT THICK OF COAL BY DIFFERENT METHODS OF WORKING. Sch. Mines Quart., vol. 7, p. 249.

Estimates of Area and Tonnage. 2d Geol. Survey Pa., A. C., p. 54. 1 page.

Duration of Foreign Mines. E. & M. J., vol. 17, p. 120. 2 columns.

Yield of Gravel, Total and per Cubic Yard, at Leading Hydraulic Mines in California. Min. & Sci. Press, vol. 68, p. 119. Table.

An Estimate of the Gold Production and Life of the Main Reef Series, Witwatersrand, Down to 6000 Feet. By T. H. Leggett and F. H. Hatch. T. I. M. & M., vol. 12, p. 36. 20 pages.

Sizing up Prospects: Things which Should be Regarded as Indications as to Value. Misleading Assays of Samples. By A. Lakes. M. & M., Aug., 1904, p. 16. 2 columns.

Sizing up Prospects: Examining Untried Country to Determine whether or not it is Advisable to Prospect Thoroughly. By A. Lakes. M. & M., May, 1904, p. 517. 2⅓ columns. I.

Sizing up a Prospect: Some of the Points to be Considered in Determining the Value when Only a Small Amount of Work has been Done. By A. Lakes. M. & M., Nov., 1902, p. 149. 3½ columns.

Examining Mining Properties. By A. Lakes. M. & M., vol. 26, p. 178. 3¼ columns. I.

Examination and Valuation of Mines. Min. & Sci. Press, vol. 90, p. 317, 4½ columns, I.; p. 334, 2½ columns, I.; p. 352, 3 columns, I.; p. 376, 2½ columns.

Notes on the Examination of a Mine in the Kerksdorp District, South Africa Z. A. R. By G. A. Denny. T. I. M. & M., vol. 5, p. 315.

Putting Properties in Condition for Examination: An Important Preliminary to Selling a Mine which is Often Neglected. By A. Lakes. M. & M., vol. 19, p. 85. 1 column.

Examination of Mines, England. By W. W. Smyth. E. & M. J., vol. 22, p. 249. 2 columns.

Examining Mines. By J. B. Balcomb. Min. & Sci. Press, vol. 85, p. 130. 1½ columns.

Examination of Mines. By H. S. Munroe. Sch. Mines Quart., vol. 11, p. 193, 10 pages; vol. 12, p. 22, 6 pages; p. 117, 12 pages.

Some Data Requisite for Mining Reports. By W. L. Watts. Min. & Sci. Press, vol. 86, p. 52. 1⅓ columns.

Some of the Essentials of a Mine Report. Min. & Sci. Press, vol. 89, p. 119. 2½ columns.

Character in Mine Reports. Min. & Sci. Press, vol. 89, p. 324. 2 columns+.

Accuracy vs. Enthusiasm and Prejudice in Mine Reports. By P. Williams. E. & M. J., vol. 81, p. 1138. 2⅓ columns.

Preliminary Reports on Mines: Form of Report. Min. & Sci. Press, vol. 39, p. 393. ⅞ column.

Concerning Technical Reports. E. & M. J., vol. 21, p. 393. 3 columns.

Notes on Mine Reports. By C. F. Lee. E. & M. J., vol. 79, p. 1082, 4 columns; p. 1243, 1 column, I.

Mining Reports on Metallic Lodes. By F. L. Vinton. E. & M. J., vol. 27, p. 29, 1⅓ columns; p. 42, 1⅓ columns.

How to Frame a (Mine) Report. Min. & Sci. Press, vol. 73, p. 298. 2½ columns.

Mine and Mill Reports. Min. & Sci. Press, vol. 73, p. 337. ⅔ column.

The Importance of Mining Records. E. & M. J., vol. 9, p. 281. 1¼ columns.

Records of Mine Work: Blanks. Min. & Sci. Press, vol. 77, p. 610. 3 columns.

For further information on Auditing, see Ore Reserves, Mine Reports, etc.

Methods of Mining: General and Miscellaneous

Metal Mining and Colliery Work Compared and Contrasted. By A. Williams. Coll. Engr. & Met. Miner, vol. 14, p. 280, 4½ columns; p. 304, 7 columns, I.

On Coal Mining. Coll. Engr. & Met. Miner, vol. 13, p. 161. 1⅔ columns. I.

Following the Pay Streak. By R. B. Nickerson. Min. & Sci. Press, vol. 92, p. 382. 2½ columns.

Placer Mining and Vein Mining. E. & M. J., vol. 82, p. 888. 2⅓ columns.

Mining Methods. By W. H. Storms. Min. & Sci. Press, vol. 92, p. 89, 1½ columns; p. 107, 2½ columns, I.

Resuing in Underground Work. E. & M. J., vol. 76, p. 882. 2 columns.

Methods of Mining. Coll. Engr., vol. 12, p. 187, 2 columns, I.; p. 209, 2 columns, I.; p. 233, 2 columns, I.; p. 257, 2½ columns; p. 283, ½ column, I.; vol. 13, p. 42, ⅔ column, I.; p. 66, 2 columns, I.; p. 90, 1½ columns, I.; p. 114, 2 columns, I.

On Metal Mining. By M. C. Ihlseng. Coll. Engr. & Met. Miner, vol. 14, p. 22, 1 column; p. 51, 1¼ columns; p. 79, 3¼ columns, I.; p. 107, ¾ column, I.

Methods of Mining. By W. W. Smyth. E. & M. J., vol. 22, p. 392, 2 columns; p. 412, 2 columns.

Lectures on Methods of Mining, England. By W. W. Smyth. E. & M. J., vol. 23, p. 205, ½ column; p. 220, 1¾ columns; p. 236, 1⅔ columns, I.; p. 259, 1½ columns; p. 299, 1½ columns, I.; p. 338, 1½ columns.

Thick Coal Seams. E. & M. J., vol. 23, p. 357, 1½ columns; p. 376, 2 columns.

"Square-Setting" in the Michigan Iron Mines. J. C. M. I., vol. 7, p. 325. 1½ pages.

Mining Ore-Bodies of Uniform Grade. By E. F. Brown. E. & M. J., vol. 66, p. 548. 1 column.

Odd Notes on Mining, etc. By A. H. Holdich. T. F. C. M. I., vol. 3, p. 27. 3 pages.

Notes on Mining: Prospecting, Shaft-Sinking, Mine Timbering, Haulage, Hoisting, Drainage. By R. A. Parker. Sch. Mines Quart., vol. 16, p. 31. 9 pages.

A System of Mining Ore-Bodies of Uniform Grade. By E. F. Brown. T. L. S. M. I., vol. 5, p. 40. 10 pages. I.

List of Books on Mining. By H. S. Munroe. Sch. Mines Quart., vol. 10, p. 176. 9 pages.

What Constitutes a Mine? Min. & Sci. Press, vol. 85, p. 163. 2 columns.

On Metal Mining. By M. C. Ihlseng. Coll. Engr., vol. 13, p. 137, 2 columns, I.; p. 162, 2 columns, I.; p. 187, 1½ columns, I.; p. 212, 1¾ columns, I.; p. 233, 1⅓ columns; p. 290, 1 column, I.

Lectures on Mining. E. & M. J., vol. 24, pp. 6, 27, 45, 67, 150, 168, 221, 259, 275, 293, 312, 331, 347, 367, 384, 400, 416, 435.

What Constitutes a Mine? By G. W. Tower. M. & M., Feb., 1903, p. 319.

What Constitutes a Mine? By G. W. Tower. E. & M. J., vol. 74, p. 343. 2 columns.

Fire-Setting: The Art of Mining by Fire. By A. L. Collins. T. F. I. M. E., vol. 5, p. 82. 10 pages.

"Fire-Setting" in the Turquoise Mines of New Mexico. E. & M. J., vol. 51, p. 655. Note.

The Importance of Scientific Mining in the Barnsley District. By R. Sutcliffe. T. I. M. E., vol. 33, p. 90. 14 pages.

A Rational Method of Mining Ore-Bodies, Webb City, Missouri. T. A. I. M. E., vol. 21, p. 17.

A METHOD OF MINING LOW GRADE ORES IN THE BOUNDARY CREEK DISTRICT. By F. Keffer. J. C. M. I., vol. 5, p. 213. 4 pages. I.

METHODS OF MINING IN MICHIGAN. Sch. Mines Quart., vol. 20, p. 143. 2 pages.

NOTES ON MICHIGAN MINING PRACTICE. By W. L. Hildburgh. Sch. Mines Quart., vol. 20, p. 142. 26 pages. I.

METHOD OF MINING AT THE BAGDER MINE, COMMONWEALTH, WISCONSIN. By O. C. Davidson. T. L. S. M. I., vol. 6, p. 52. 2 pages.

CALIFORNIA METHODS IN COLORADO. Min. & Sci. Press, vol. 76, p. 392. 2½ columns. I.

SYSTEM OF MINING AT THE IRON RIVER MINE. T. A. I. M. E., vol. 16, p. 864.

AMERICAN MINING AND METALLURGY FROM A FOREIGN STANDPOINT. By F. Staff. E. & M. J., vol. 9, pp. 34, 50, 66, 98, 129, 146.

NATIVE METHODS OF WORKING MEXICAN MINES. By J. H. Palmer. Min. & Sci. Press, vol. 68, p. 229. 1½ columns.

MEXICAN METHODS OF MINING. Min. & Sci. Press, vol. 68, p. 260. 1 column.

NATIVE MINERS IN MEXICO. Min. & Sci. Press, vol. 68, p. 326. 1⅓ columns.

MEXICAN METHODS OF MINING. By S. B. Newall. T. I. M. & M., vol. 6, p. 130.

MINING AND METALLURGY IN MEXICO. By D. Coghlan. E. & M. J., vol. 5, p. 18, 1¾ columns; p. 34, 1½ columns; p. 66, 2 columns; p. 83, 2 columns; p. 130, 2 columns; p. 162, 2 columns; p. 195, 2 columns.

MEXICAN METHODS OF MINING. Min. & Sci. Press, vol. 77, p. 204. 1¾ columns.

SOME NOTES ON PERSIAN MINING AND METALLURGY. By J. Mactear. T. I. M. & M., vol. 3, pp. 1, 29.

METHODS AND COST OF MINING AT CHIATURI, CAUCASUS. T. A. I. M. E., vol. 28, p. 201.

THE MINES AND MILL OF THE ATACAMA MINERAL COMPANY, LIMITED, TALTAL, CHILI. By S. H. Loram. T. A. I. M. E., vol. 29, p. 488.

A VISIT TO THE CARN BREA, AND SOME NOTES ABOUT CORNISH MINING. Min. & Sci. Press, vol. 19, p. 387. 7⅔ columns. I.

NOTES ON PRACTICAL MINING, APPLICABLE TO SOME GOLD MINING DISTRICTS IN NOVA SCOTIA. By W. R. Thomas. J. M. Soc. N. S., vol. 2, p. 99. 10½ pages.

THE TREADWELL GROUP OF MINES. DOUGLAS ISLAND, ALASKA. By Robt. Kinzie. T. A. I. M. E., vol. 34, p. 334.

MERCUR MINING METHODS: Methods of Handling the Ores, also of Drilling, Timbering and Blasting, and Some Figures Regarding Costs of Mining. By Geo. H. Dern. M. & M., Aug., 1904, p. 1. 6 columns. I.

METHODS OF WORKING GOLD AND SILVER MINES. Rept. Census Office, Mines & Quarries, 1902, p. 572. 7 columns.

GOLD MINES AND MINING IN CALIFORNIA: Methods of Mining. By H. Degroot. E. & M. J., vol. 40, p. 184. 2 columns.

MINING LOW-GRADE GOLD ORES IN ALABAMA. By W. B. Phillips. E. & M. J., vol. 64, p. 185. 3 columns. I.

GOLD-MINING IN SOUTH CAROLINA. By E. G. Spilsbury. T. A. I. M. E., vol. 12, p. 99.

ON THE PECULIAR FEATURES OF THE BASSICK MINE. By L. R. Grabill. T. A. I. M. E., vol. 11, p. 110.

MINES AND MINING IN COLOMBIA. T. A. I. M. E., vol. 18, p. 210.

PROPOSED METHOD FOR WORKING TELLURIDES. By F. C. Smith. T. A. I. M. E., vol. 18, p. 439.

GOLD MINING IN McDUFFIE COUNTY, GEORGIA. By W. H. Fluker. T. A. I. M. E., vol. 33, p. 119.

MINING METHODS ON THE KLONDIKE. By E. Haanel. E. & M. J., vol. 75, p. 559. 8⅜ columns. I.

THE GRANITE MOUNTAIN MINE: A Detailed Description of the Methods of Working a Successful Silver Mine. By W. D. Dodds. Coll. Engr. & Met. Miner, vol. 14, p. 118. 9 columns. I.

HOW SOME OF CALIFORNIA'S EARLY MINES WERE WORKED. Min. & Sci. Press, vol. 91, p. 23. 1 column+.

MINING AT ETZATLAN, MEXICO. M. & M., Apr., 1902, p. 406. 1½ columns.

MINING AND MILLING AT THE MESQUITAL DEL ORO GOLD MINE (State of Zacatecas), MEXICO. By A. C. Claudet. T. I. M. & M., vol. 3, pp. 335, 355.

METHOD OF WORKING MINES OF SANTA EULALIA, MEXICO. By E. G. Cahill. Min. & Sci. Press, vol. 88, p. 329, 2 columns, I.; p. 349, 1½ columns.

METHOD OF MINING AT ZARUMA, ECUADOR. T. A. I. M. E., vol. 30, p. 254.

SOUTH AFRICAN METHODS. By T. H. Leggett. E. & M. J., vol. 79, p. 754. 5½ columns.

NOTES ON ECONOMICAL MINING AT THE MYALLS UNITED GOLD MINE, NEW SOUTH WALES. By W. R. Thomas. T. I. M. & M., vol. 7, p. 145. 10 pages.

CHINESE SILVER-MINING IN MONGOLIA. By H. F. Dawes. T. A. I. M. E., vol. 20, p. 88.

GOLD MINING IN RHODESIA. By F. C. Roberts. Min. & Sci. Press, Feb. 11, 1905, p. 91.

NOTE ON GOLD-MINING AND MILLING IN KOREA. By W. I. Pierce. T. A. I. M. E., vol. 18, p. 363.

SILVER-MINING AND SMELTING IN MONGOLIA. By Yang Tsang Woo. T. A. I. M. E., vol. 33, pp. 755, 1038.

SILVER MINING AND SMELTING IN CHINA. E. & M. J., vol. 59, p. 316. 1½ columns.

AUSTRALIAN MINING METHODS: Descriptions of the Methods Employed in the Province of Victoria. By J. Stirling. M. & M., vol. 18, p. 79. 1½ columns.

GOLD MINING IN MATABELELAND. By G. R. Carey. T. I. M. & M., vol. 10, p. 343. 50 pages.

THE OCCURRENCE AND MINING OF GOLD IN THE DUTCH EAST INDIES. By S. J. Truscott. T. I. M. & M., vol. 10, p. 52. 38 pages.

SOME NOTES ON THE MINING PRACTICE OF THE WITWATERSRAND GOLD FIELDS, SOUTH AFRICAN REPUBLIC. By G. A. Denny. Sch. Mines Quart., vol. 20, p. 378, 15 pages; vol. 21, p. 1, 28 pages, I.

GOLD MINING IN NORWAY. By J. Daw. T. I. M. & M., vol. 5, p. 212.

LARGE ORE BODIES IN AUSTRALIA: Mining Methods. By A. Selwyn-Brown. E. & M. J., vol. 80, p. 962. 5 columns. I.

THE CROSS-CUT SYSTEM OF MINING. M. & M., vol. 27, p. 437. 1¼ columns. I.

MINING METHODS AT BISBEE, ARIZONA: Drilling, Development, Drifting, Stoping, Hoisting. M. & M., vol. 27, p. 291. 2½ columns. I.

ORE BREAKING AT LAKE SUPERIOR. By W. R. Crane. E. & M. J., vol. 82, p. 768. 10½ columns. I.

METHODS OF MINING IN LAKE SUPERIOR COPPER MINES. E. & M. J., vol. 78, p. 865. 6 columns. I.

METHODS OF MINING AT EHRENFELD COLLIERY, PENNSYLVANIA. E. & M. J., vol. 78, p. 258. 1 column.

THE CALUMET AND HECLA MINES AND PLANT. E. & M. J., vol. 38, p. 17. 6½ columns.

THE ORE KNOB COPPER MINE AND SOME RELATED DEPOSITS. By T. S. Hunt. T. A. I. M. E., vol. 2, p. 123.

STATISTICS OF LAKE SUPERIOR COPPER MINES. T. L. S. M. I., vol. 12, p. 24. Table.

COPPER MINING HERE AND ELSEWHERE. E. & M. J., vol. 13, p. 123. 1½ columns.

MINING AND TREATMENT OF COPPER ORES AT THARSIS, SPAIN. By C. F. Courtney. P. I. C. E., vol. 125, pp. 126–144.

COPPER MINING IN WEST AUSTRALIA. By W. Burrell. M. & M., Mar., 1904, p. 376. 1½ columns.

MASS (COPPER) MINING IN THE LAKE SUPERIOR DISTRICT. T. A. I. M. E., vol. 6, p. 282.

METHODS OF MINING IRON ORE IN THE LAKE SUPERIOR REGION. By N. P. Hulst. P. E. Soc. W. Pa., vol. 15, p. 62. 40 pages. I.

IRON MINING PRACTICE ON THE MARQUETTE RANGE. By R. Meeks. E. & M. J., vol. 83, p. 1129. 8 columns. I.

METHODS OF MINING IN THE MARQUETTE REGION. Sch. Mines Quart., vol. 3, p. 110. 6 pages. I.

MINING METHODS IN THE VERMILION AND MESABI DISTRICTS. By Kirby Thomas. T. L. S. M. I., vol. 10, p. 144. 13 pages. I.

BROWN HEMATITE ORE MINING (Method). By H. M. Chance. E. & M. J., vol. 40, p. 57. 1½ columns. I.

METHODS OF WORKING AND SURVEYING THE MINES OF THE LONGDALE IRON COMPANY, VIRGINIA. By G. R. Johnson. T. A. I. M. E., vol. 20, p. 96.

THE CORNWALL IRON MINE AND SOME RELATED DEPOSITS IN PENNSYLVANIA. By T. S. Hunt. T. A. I. M. E., vol. 4, p. 319.

METHOD OF MINING PAINT-ORE AT LEHIGH GAP, PENNSYLVANIA. T. A. I. M. E., vol. 19, pp. 324, 326.

THE DEVELOPMENT OF THE LAKE SUPERIOR IRON-ORES. By D. H. Bacon. T. A. I. M. E., vol. 27, p. 341.

IRON-ORE MINING IN LAKE SUPERIOR DISTRICT. T. F. I. M. E., vol. 13, p. 521.

SOFT ORE MINING ON LAKE SUPERIOR. By P. Larsson. T. L. S. M. I., vol. 1, p. 13. 6 pages. I.

IRON MINING IN THE BIRMINGHAM DISTRICT, ALABAMA. By W. R. Crane. E. & M. J., Feb. 9, 1905, p. 274. 12 columns. I.

METHODS OF PROSPECTING AND MINING SOFT IRON ORES IN ALABAMA. By W. R. Crane. M. & M., Apr., 1905, p. 417. 7½ columns. I.

THE ARRAGON MINE AT NORWAY, MICHIGAN: A Description of the Mine, the Machinery Used, and Manner of Working. By E. S. Dickenson. M. & M., June, 1901, p. 494. 3¼ columns.

SWEDISH IRON ORE MINING. By G. Nordenström. Engineering, London, vol. 66, p. 438, 4½ columns; p. 469, 8½ columns, I.; p. 502, 5¼ columns, I.

THE MINING OF THE SOFTER ORES OF FURNESS. By H. Mellon. T. F. I. M. E., vol. 8, p. 44. 6 pages. I.

METHOD OF WORKING BLACK BAND IRON ORE, NORTH STAFFORDSHIRE, ENGLAND. T. I. M. E., vol. 27, p. 100. 4 pages. I.

METHODS OF MINING IN INDIANA COAL FIELDS. By F. W. Parsons. E. & M. J., vol. 83, p. 555. 7 columns. I.

METHODS OF WORKING THE COAL SEAMS OF OHIO. By F. W. Parsons. E. & M. J., vol. 83, p. 745. 9 columns. I.

FORMULA FOR MINING THIN SEAMS OF COAL. By M. S. Hachita. E. & M. J., vol. 83, p. 242. 1¼ columns.

MINING SYSTEMS IN PENNSYLVANIA COAL REGIONS. By H. M. Chance. 2d. Geol. Survey Pa., A.C., p. 115. 14½ pages. I.

MINING METHODS IN THE WESTERN INTERIOR COAL FIELDS. By W. R. Crane. M. & M., vol. 27, p. 26, 3 columns, I.; p. 91, 6½ columns, I.

METHOD OF WORKING THE PITTSBURGH SEAM. By J. W. Blower. Coll. Engr., vol. 12, p. 195. 2½ columns. I.

The Double Entry System. By J. E. Stout. Coll. Engr., vol. 9, p. 41. ¾ column. I.

Method of Mining at South Wilkes-Barre, Pennsylvania, Colliery. Coll. Engr., vol. 78, p. 465. 1 column.

Method of Working Rich Copper Ores at Rio Tinto. E. & M. J., vol. 36, p. 325. ½ column.

Systems of Working Coal: Conditions or Factors which Determine the System by which a Given Field Should be Worked. By J. T. Beard. M. & M., vol. 19, p. 245, 5½ columns, I.; p. 292, 2¾ columns, I.

Modes of Working Coal: Why the Various Natural Conditions Met with Necessitate Different Methods of Treatment. M. & M., vol. 19, p. 391, 1½ columns. I.

Methods of Working the Coal Mines in Alameda, California. M. & M., vol. 19, pp. 146, 147. 2 columns. I.

Small Coal Mines: How They May be Economically Worked where the Seams are Thin and Shallow and the Field Limited. By J. T. Beard. M. & M., vol. 19, p. 1. 7 columns. I.

Method of Working in the Newcastle Coal Mines, Colorado. Coll. Engr. & Met. Miner, vol. 17, pp. 380, 381, 382.

The Art of Correlating the Best Conditions for Working Coal. Coll. Engr. & Met. Miner, vol. 17, p. 416. 4 columns. I.

Ellangowan Colliery, Pennsylvania: Occurrence of Coal, Methods of Mining, etc. By G. B. Hadesty. Coll. Engr. & Met. Miner, vol. 16, p. 1. 11 columns. I.

Improvements and Tendencies in Continental Coal Mining. By G. P. Scholl. Min. Mag., vol. 13, p. 190. 22 columns. I.

Coal Mining at Mount Diablo. By J. O'Callaghan. Min. & Sci. Press, vol. 39, p. 22. 3½ columns.

Recent Improvements in Coal Mining in Illinois. By J. J. Rutledge. Min. Mag., vol. 13, p. 183. 12 columns. I.

On Coal Mining. By R. Moffitt. T. N. S. I. M. & M. E., vol. 1, p. 41. 6 pages.

Coal Mining Methods: Causes of Different Methods of Working than are Applicable to Metals. E. & M. J., vol. 80, p. 925. 4½ columns.

Notes on Coal-Mining in Oregon. By R. H. Norton. T. A. I. M. E., vol. 19, p. 23.

Method of Mining Coal in Saxony. E. & M. J., vol. 78, p. 714. 2½ columns. I.

Alabama Mining Methods. By J. E. Strong. M. & M., vol. 21, p. 195. ¾ column. Map.

The Windber Mine: A Description of the System of Underground Haulage and Mining Methods as Installed and Used. By J. S. Cunningham. M. & M., vol. 21, p. 340. 3 columns. I.

Working Flat and Pitching Anthracite Seams. By M. S. Hachita. E. & M. J., vol. 84, p. 24. 11½ columns. I.

An Outline of Anthracite Coal Mining in Schuylkill County, Pennsylvania. By J. P. Wetherill. T. A. I. M. E., vol. 5, p. 402.

A Proposed New Method of Mining Anthracite. By W. S. Greley. E. & M. J., vol. 48, p. 136. 8½ columns. I.

Modification of Working Coal Lately Introduced in Nova Scotia. By J. G. Rutherford. J. M. Soc. N. S., vol. 1, pt. 4, p. 47. 16 pages. I.

Queensland Coal-Mining, and the Method Adopted to Overcome an Underground Fire. By E. S. Wight. T. F. I. M. E., vol. 4, p. 548. 5 pages.

Systems of Working Employed in the Coal-Fields of New South Wales. T. F. I. M. E., vol. 2, p. 292.

Earlier Methods of Working Coal. Coll. Working and Management, p. 1. 8½ pages. I.

Methods of Working the Thin Coal-Seams of the Bristol and Somerset Coal-Field. By G. E. J. McMurtrie. T. I. M. E., vol. 20, p. 340. 19 pages. I.

Method of Mining Coal in India. T. F. I. M. E., vol. 6, p. 430. I.

Cleavage Planes and Their Influence on the Economical Working of Coal. By G. G. André. T. N. S. I. M. & M. E., vol. 2, p. 132. 11 pages.

Cleavage Planes and Their Influence on the Economical Working of Coal. E. & M. J., vol. 22, p. 43. 3⅓ columns.

Dangerous Roof or "Top" in Coal Mining. M. & M., vol. 21, p. 381. 2 columns. I.

Mining Methods in the Cœur d'Alene District, Idaho: Thick Veins. By R. N. Bell. Min. Mag., vol. 13, p. 306. 5 columns. I.

Method of Mining Sheet Ground in the Joplin District. M. & M., vol. 28, p. 171. 5 columns. I.

Mining in Southeast Missouri Lead Mines. By R. B. Brinsmade. M. & M., Nov., 1901, p. 145.

Mining Practice in Southeast Missouri: The Country, the Mines, and the Method of Prospecting and Working. By R. B. Brinsmade. M. & M., Dec., 1901, p. 215. 8½ columns.

Mining Practice at Rossland, British Columbia. By R. B. Brinsmade. M. & M., vol. 21, p. 363. 9 columns. I.

The Mining and Metallurgy of Zinc in the United States. By F. L. Clerc. E. & M. J., vol. 36, p. 148, 7 columns; p. 168, 2¼ columns; p. 180, 3¼ columns.

Abstract of a Paper on the Mines and Works of the Lehigh Zinc Company. By H. S. Drinker. T. A. I. M. E., vol. 1, p. 67.

Chinese Methods of Mining Quicksilver. By H. Brelich. T. I. M. & M., vol. 14, p. 483. 15 pages. I.

Mining and Metallurgy of Quicksilver in Mexico. By J. Mactear. T. I. M. & M., vol. 4, p. 69.

Mining and Treatment of Quicksilver Ores at Guadalcazar, Mexico. By W. H. Rundall. E. & M. J., vol. 59, p. 607. 2¾ columns. I.

Diamond Mining. By F. D. Hill. E. & M. J., vol. 84, p. 151. 4½ columns.

Some Views at the Kimberley Diamond Mines. E. & M. J., vol. 68, p. 637. 2 columns. I.

The Diamond Mines of South Africa. By G. F. Williams. T. A. I. M. E., vol. 15, p. 392.

The Poetsch System of Mining in Quicksand. E. & M. J., vol. 37, p. 458. 1 column.

A New Departure in Manganese Mining. By J. S. C. Wells. E. & M. J., vol. 74, p. 144. 2 columns. I.

Method of Mining Manganese at Crimora, Virginia. E. & M. J., vol. 49, p. 333.

Cornish Tin Mining in Photograph. E. & M. J., vol. 58, p. 130, 1 column+, I.; p. 154, ¼ column; p. 178, ¼ column, I.; p. 202, Note; p. 226, Note; p. 251, Note; p. 275, Note; p. 298, Note.

The Mining, Concentration and Analysis of Corundum in Ontario, Canada. By W. L. Goodman. T. I. M. E., vol. 23, p. 446. 11 pages. I.

The Jenks Corundum Mine, Macon County, North Carolina. By R. W. Raymond. T. A. I. M. E., vol. 7, p. 83.

The Mining and Preparation of Kaolin. By T. C. Hopkins. E. & M. J., vol. 68, p. 245. 2 columns. I.

A Novel Method of Mining Kaolin. By A. R. Ledoux. T. A. I. M. E., vol. 37, p. 319. 2½ pages.

Clay Mining: A Description of the Methods Employed in Mining Clay by the Columbus Brick and Terra Cotta Company at Union Furnace, Ohio. By E. Lovejoy. M. & M., vol. 19, p. 385. 2⅓ columns. I.

A Graphite Mine. By R. H. Palmer. E. & M. J., vol. 68, p. 694. 1¼ columns. I.

Asbestos Mining and Dressing at Thetford. By H. N. Thompson. T. F. C. M. I., vol. 2, p. 273. 5 pages.

Jet Mining (Black Amber). E. & M. J., vol. 33, p. 260. ¾ column.

Pumice Stone Mining. E. & M. J., vol. 60, p. 246. ⅔ column.

The Caving System of Mining

The Caving System of Mining. By W. H. Storms. Min. & Sci. Press, vol. 93, p. 48. 4 columns. I.

Caving at Mowry, Arizona. M. & M., vol. 27, p. 529. ½ column. I.

Stoping without Timbers at the Homestake Mine, South Dakota. By M. Ehle. M. & M., vol. 28, p. 460. 3¼ columns. I.

The "Slash" System of Mining. By C. T. Rice. E. & M. J., vol 81, p. 1191. 1½ columns.

The "Slash" System of Mining, Tintic, Utah. E. & M. J., vol. 82, p. 548. Note.

Caving Method Employed at the Mercur Mines, Utah. E. & M. J., vol. 68, pp. 754, 787.
M. & M., vol. 25, p. 1.

The Caving System in the Utah Mine, Bingham Canyon. E. & M. J., vol. 84, p. 437. 2 columns.

The Slicing System of Mining, Bingham, Utah. M. & M., vol. 28, p. 105. 1 column. I.

Mining Methods at Bingham, Utah: Use of Timber, Caving, etc. E. & M. J., vol. 77, p. 760. ¾ column.

The Bamberger DeLamar Mine, Nevada. E. & M. J., vol. 77. p. 725. 1¼ columns. I.

The Closing of the Comstock Mines. E. & M. J., vol. 42, p. 289. ½ column.

The Caving System as Applied to the Ely Mines, Nevada. Min. & Sci. Press, vol. 93, p. 630. 2 columns. I.

The Caving System of Mining at Ely, Nevada. E. & M. J., vol. 84, p. 679. ½ column.

The Caving System: A Successful Method of Mining Iron Ore Used at the Pewabic Mine, Michigan. By M. P. Hulst. M. & M., vol. 19, p. 496. 2 columns. I.

The Slicing-and-Caving and Square-Set Systems in the Mesabi Iron Ore Range. E. & M. J., Feb. 23, 1905, p. 365.

Mining Methods in Mesabi Iron District, Minnesota. By Kirby Thomas. Min. & Sci. Press, Apr. 16, 1904, p. 258.

"Caving" in the Mesabi District, Minnesota. T. L. S. M. I., vol. 10, p. 144. 5 pages. I.

Caving Systems of Mining Iron Ore. P. E. Soc. W. Pa., vol. 15, p. 76. 24 pages. I.

"Top-Slicing" as Employed in Michigan Iron Mines. J. C. M. I., vol. 7, p. 327. 6 pages.

The Caving System on the Menominee Range. By R. Meeks. E. & M. J., vol. 84, p. 99. 12 columns. I.

The Caving System as Employed on the Marquette Iron Range. E. & M. J., vol. 83, p. 1131. 4 columns. I.

The Mesabi Range: A Description of the Ore, and also the Open Pit, the Caving and the Milling Methods of Mining It. By C. Brakenbury. M. & M., vol. 21, p. 150. 5½ columns.

Pocket Mining

Pocket Mining. Min. & Sci. Press, vol. 36, p. 10. ¾ column.

The "Pocket Mines" of Tuolumne County. Min. & Sci. Press, vol. 40, p. 354. 1½ columns.

Pocket Mining. Min. & Sci. Press, vol. 47, p. 169; vol. 50, p. 234. 1 column.

Pocket Mining. Min. & Sci. Press, vol. 54, p. 202. 1¼ columns.

Some New Facts in Pocket Mining. Min. & Sci. Press, vol. 56, p. 277. ¾ column.

Pocket Mining in Tuolumne County. Min. & Sci. Press, vol. 58, p. 355. 3 columns. I.

Pocket Mining. Min. & Sci. Press, vol. 67, p. 22, 1 column; p. 37, 1⅓ columns; p. 53, 1⅙ columns; p. 68, ¾ column.

Working Drift Mines. Min. & Sci. Press, vol. 67, p. 81. 2 columns. I.

Pocket Mining in California. Min. & Sci. Press, vol. 70, p. 132, 2½ columns; p. 164, 2⅔ columns; p. 228, 2⅔ columns.

Drift Mining

Drift Mining in California. Min. & Sci. Press, vol. 53, p. 105, 4⅔ columns, I.; p. 293, 2 columns, I.; vol. 69, p. 34, ⅞ column.

Drift Mining by Shaft. By D'Arcy Weatherbe. Min. & Sci. Press, vol. 93, p. 115, 6 columns, I.; p. 143, 2 columns, I.

Working Deep Diggings (Gravel). Min. & Sci. Press, vol. 34, p. 24. 1½ columns.

What should be Determined before Drift Mining is Undertaken. Min. & Sci. Press, vol. 68, p. 18. ⅔ column.

Drift-Mining. By T. Egleston. Sch. Mines Quart., vol. 8, p. 204, 6 pages; p. 289, 20 pages.

Drift-Mining in California. By R. L. Dunn. E. & M. J., vol. 38, p. 388. 2½ columns.

Drift Mining in California. Min. & Sci. Press, vol. 30, p. 9, 2 columns, I.; p. 17, 1 column, I.; p. 57, ⅔ column.

Blocking Out in Alluvial Mines. Min. & Sci. Press, vol. 47, p. 89. 1 column. I.

Drift Mining. Min. & Sci. Press, vol. 44, p. 8, 1½ columns; p. 24, 1⅔ columns; p. 40, 1½ columns; p. 56, 2 columns, I.; p. 80, 1½ columns.

Working Drift Mines. Min. & Sci. Press, vol. 52, p. 161. 2 columns.

Drift Mining. Min. & Sci. Press, vol. 53, p. 20. ⅞ column.

Working of Drift Mines. Min. & Sci. Press, vol. 67, p. 81. ⅔ column. I.

An Experience in Drift Mining in Hard Cement Gravel. By L. H. Carver. Min. & Sci. Press, vol. 86, p. 7, 2¾ columns, I.; p. 22, 2 columns, I.

Machinery in Drift Mining. Min. & Sci. Press, vol. 49, p. 374. 1 column.

The Red Point Drift Gravel Mine. By C. F. Hoffman. Min. & Sci. Press, vol. 68, p. 22, 2 columns; p. 151, 2½ columns; p. 165, 3½ columns, I.; p. 181, 2⅓ columns, I.

A California Drift Mine. By W. E. Thorne. Min. & Sci. Press, vol. 87, p. 199. 1 column. I.

The Magalia, California, Drift Mine. By A. D. Gassaway. Min. & Sci. Press, vol. 78, p. 372, 6 columns, I.; p. 400, 4 columns, I.

The Kimble Drift Mine, El Dorado County, California. By G. W. Kimble. Min. & Sci. Press, vol. 85, p. 23. 2 columns. I.

Sierra County Drift Mines. Min. & Sci. Press, vol. 41, p. 417. 2 columns. I.

Methods of Stoping in Mines

Stopes and Stoping: Stopes, Underhand Stoping, Overhand Stoping, Combined Stoping, Breast or Side Stoping, Longwall Stopes, and Methods of Working Reefs which are Close Together. The Witwatersrand Gold-Fields, pp. 336–345.

Breaking the Ore in the Stope Face. The Witwatersrand Gold-Fields, p. 357. I.

Notes on Breaking Ground. By T. L. Carter. E. & M. J., vol. 74, p. 576. 4 columns. I.

Methods of Stoping: Over- and Under-hand on the Rand. Witwatersrand Gold-Fields, p. 335. 30 pages. I.

Overhand Stoping at Lake Superior. E. & M. J., vol. 82, p. 767. 6 columns. I.

Over-hand Stoping at the Emma Mine, Canada. E. & M. J., vol. 84, p. 497. ¾ column.

The Under- and Over-hand Stoping Systems. By A. Williams. Coll. Engr. & Met. Miner, vol. 15, p. 172. 3¼ columns. I.

Underhand Stoping at the Davis Pyrites Mine, Massachusetts. E. & M. J., vol. 82, p. 675. 2½ columns. I.

Stoping with Machine-Drills. By B. L. Thane. T. A. I. M. E., vol. 29, pp. 770, 1045.

Stoping with the Air-Hammer Drill. By G. E. Wolcott. E. & M. J., vol. 84, p. 117. 5½ columns. I.

Stoping with Machine Drills. Min. & Sci. Press, vol. 81, p. 94. 1 column.

Method of Mining in the Witwatersrand Gold-Field. T. I. M. E., vol. 18, p. 97.

Underground Work in the Transvaal. By P. Carter. Min. Mag., vol. 12, p. 273. 12 columns. I.

Mining Methods at Johannesburg. By T. L. Carter. E. & M. J., vol. 75, p. 597. 2⅔ columns.

The Working of a Wide Gold Quartz Reef in Soft Ground at Rezende, Rhodesia. By J. A. Woodburn. T. I. M. & M., vol. 12, p. 286. 15 pages. I.

Methods of Stoping at Cripple Creek. By G. E. Wolcott. E. & M. J., vol. 84, p. 1003. 8 columns. I.

Method of Stoping at the Cross Mine. T. A. I. M. E., vol. 25, p. 775.

Mining at the East Fingall Mine, West Australia (Method of Stoping). Min. Mag., vol. 11, p. 447. 3 columns.

Stoping on the Rand. Gold Mines of the Rand, p. 127. 6 pages. I.

Stoping in West Australia. Gold Min. & Mill. W. Aus., p. 179. 1 page.

Stoping at the Daly-West Mine. M. & M., vol. 28, p. 354. ½ column.

Stoping Methods in the Tintic District. M. & M., vol. 28, p. 293. ⅔ column.

Stoping at Bingham, Utah. M. & M., vol. 28, p. 105. 2 columns.

Stoping Systems at Broken Hill, Australia. By A. J. Moore. M. & M., vol. 27, p. 433. 9 columns. I.

Method of Mining (Overhand Stoping) in the Kentucky Lead Mines. E. & M. J., vol. 83, p. 658. 1¼ columns. I.

Methods of Prospecting and Mining in the Galena-Joplin District. By W. R. Crane. E. & M. J., vol. 72, p. 360. 5 columns. I.

Zinc-Blende Mines and Mining near Webb City, Missouri. By C. Henrich. T. A. I. M. E., vol. 21, p. 3.

Methods of Working the Zinc Deposits near Webb City, Missouri. By O. Rees. Coll. Engr. & Met. Miner, vol. 15, p. 29. 3½ columns. I.

Zinc Mining: A Description of the Methods of Mining and Dressing Zinc Ores. By H. K. Landis. Coll. Engr. & Met. Miner, vol. 17, p. 62. 5½ columns. I.

Mining Zinc Ore by "Drift-Skirting." T. A. I. M. E., vol. 37, p. 304. 3 pages. I.

Ground Breaking in the Joplin District: Stoping. By Doss Brittain. E. & M. J., vol. 84, p. 255. 13 columns. I.

Sheet-Ground Mine in Southwest Missouri. By D. T. Boardman. E. & M. J., vol. 84, p. 877. 9 columns. I.

Mining Sheet Ground in the Joplin District. By D. Brittain. E. & M. J., vol. 84, p. 1117. 6½ columns. I.

Back-Stoping in Hard Iron Ore. E. & M. J., vol. 84, p. 101. 2 columns. I.

Method of Stoping at the Baden Copper Mines, Valparaiso. E. & M. J., vol. 84, p. 1060. ¾ column. I.

Iron Ore Mining in the Lake Superior Region. By J. P. Channing. E. & M. J., vol. 60, p. 394. 6¼ columns. I.

Mining Practice in Butte, Montana, Copper Mines: Methods Employed in the Various Operations. By R. B. Brinsmade. M. & M., vol. 21, p. 103, 8½ columns, I.; p. 155, 8½ columns, I.

Some Notes on a Lake Superior Copper Mine. E. & M. J., vol. 66, p. 35. 1¾ columns. I.

Drifting and Stoping at Lake Superior. By W. R. Crane. E. & M. J., vol. 82, p. 645. 6½ columns. I.

Mining Thick and Massive Deposits

Methods of Mining Large Ore-Bodies in Australia. E. & M. J., vol. 80, p. 962. 5 columns.

Systems of Mining in Large Bodies of Soft Ore. By R. P. Rothwell. T. A. I. M. E., vol. 16, p. 862.

Method of Working Massive Deposits (Lodes 30 to 130, Average 50 to 60 feet) by Overhand Stoping. M. & M., vol. 27, p. 339. ⅔ column. I.

Method of Mining Thick Ore Bodies at Butte, Montana. M. & M., vol. 26, p. 407. ½ column. I.

Mine Plans: Method of Working the Magnetite Deposits of New York by Room and Pillar. E. & M. J., vol. 81, pp. 1036, 1038. I.

Methods of Working in Thick Deposits of Iron Ore. By S. W. Balch. Sch. Mines Quart., vol. 4, p. 98. 2 pages.

Methods of Mining in Soft Ore Bodies. By J. H. Goudie. E. & M. J., vol. 44, p. 467. 1⅔ columns. I.

Mining in Soft Ore-Bodies at Low Moor. By W. S. Hungerford. T. A. I. M. E., vol. 17, p. 103.

Mining Soft Iron Ore without Timber. By S. R. Elliott. Min. & Sci. Press, vol. 92, p. 379. 2 columns. I.

Cross-Section of Bassick Mine, Showing Method of Working Massive Deposit. Min. & Sci. Press, vol. 47, p. 233. I.

Working an Ore Chimney. M. & M., June, 1901, p. 522.

Method of Working a Vertical Pipe of Broken Ore, Mass Skirted at Each Level, etc., Santa Eulalia, Mexico. Min. & Sci. Press, vol. 88, p. 349. ½ column.

Extraction of Ore from Wide Veins or Masses. By G. D. Delprat. T. A. I. M. E., vol. 21, p. 89.

Methods of Working Thick Veins or Beds and Irregular Masses. By A. Williams. Coll. Engr. & Met. Miner, vol. 15, p. 196, 4½ columns; p. 269, 4½ columns.

The Working of a Wide Gold Quartz Reef in Soft Ground at Rezende, Rhodesia. By J. A. Woodburn. T. I. M. & M., vol. 12, p. 286. 13 pages. I.

A Method of Working the Thick Coal Seams in Two Sections, at the New Hawne Colliery, Staffordshire, England. By W. Charlton. M. & M., July, 1902, p. 556. 3½ columns.

Working a Thick Coal Seam. By Thomas Adamson. M. & M., Aug., 1903.

A Method of Working the Thick Coal Seam in Two Sections. By Wm. Charlton. M. & M., Oct., 1902, p. 110. 1½ columns.

What is the Best System of Working Thick Coal Seams? By O. J. Heinrich. T. A. I. M. E., vol. 2, p. 105.

Working of a Thick Coal-Seam in Bengal, India. By T. Adamson. T. I. M. E., vol. 25, p. 10. 6 pages. I.

Mode of Working the Thick Coal-Seam of South Staffordshire Coal-Field. T. F. I. M. E., vol. 8, p. 407.

A Method of Working the Thick Coal-Seam in Two Sections. By W. Charlton. T. I. M. E., vol. 21, p. 264, 4 pages, I.; vol. 23, p. 112, 4 pages.

Methods of Working the 10-Yard or Thick Coal of South Staffordshire. T. F. I. M. E., vol. 3, p. 35.

Proposed Method of Mining the Mammoth Coal Seam. Rept. Inspr. Mines Pa., 1873, p. 187. 2¼ pages. I.

Proposed Method of Mining a Thick Seam or Vein (12 to 15 feet). Min. & Sci. Press, vol. 93, p. 46, 3½ columns, I.; pp. 76 and 77, 1 column+, I.; p. 196, 1½ columns; p. 441, ⅔ column, I.

Thick-Coal Working. P. C. M., vol. 2, p. 326. 4½ pages. I.

Working the Thick Coal-Seam of Warwickshire in One Operation. T. A. I. M. E., vol. 33, p. 507. 4 pages.

Under-Sea Mining

The Sea and Mining. By A. Lakes. M. & M., vol. 24, p. 12. 4⅓ columns. I.

Submarine Coal Mining. By A. Selwyn-Brown. E. & M. J., vol. 80, p. 913. 2 columns.

Mining Under the Sea. E. & M. J., vol. 75, p. 486. ¼ column.

Submarine Coal-Mining at Bridgeness, N. B., England. By H. M. Cadell. T. F. I. M. E., vol. 14, p. 237. 18 pages. I.

Coal Mining Under Sydney Harbor, New South Wales. M. & M., July, 1901, p. 557.

Under-Sea Working. P. C. M., vol. 2, p. 333. 3 pages.

Submarine Coal Mining. By R. H. Brown. J. M. Soc. N. S., vol. 9, p. 43. 12 pages.

Mining Under Watery Strata. M. & M., vol. 19, p. 443. 1½ columns.

Submarine Coal Mining. Min. & Sci. Press, vol. 93, p. 360. ⅔ column.

Mining Frozen Gravels

Working Frozen Alluvial Deposits in Siberia. By E. D. Levat. E. & M. J., vol. 63, p. 599. 1½ columns. I.

Working Frozen Ground in Siberia and Alaska. Placer Mining, p. 66.

Mining Frozen Ground in Siberia. Min. & Sci. Press, vol. 81, p. 397. 1½ columns. I.

Mining on the Klondike: Method of Firing and Description of Mining Methods. By A. J. Bowie. M. & M., July, 1901, p. 529.

Method of Mining the Auriferous Gravels in the Klondike. T. I. M. & M., vol. 8, p. 224.

How Gold is Mined on the Klondike and the Chances of Fortune There. E. & M. J., vol. 64, p. 631.

Mining in the Yukon. E. & M. J., vol. 69, p. 742. ¾ column.

Gold Mining in the Yukon Territory. M. & M., Mar., 1904, p. 358. ¾ column.

Thawing Frozen Ground in Alaska. Min. & Sci. Press, vol. 91, p. 229. 1 column. I.

THE FROZEN DEPOSITS OF THE NORTH. Min. & Sci. Press, vol. 79, p. 379. ⅞ column.

Packing Mine Working: Flushing Culm, Use of Waste, etc.

FLUSHING CULM IN ANTHRACITE MINES By W. Griffith. M. & M., vol. 20, p. 388. 5½ columns. I.

FLUSHING CULM: The Method of Filling Anthracite Mines with Culm and the Advantages of the Process. M. & M., vol. 18, p. 342, 3½ columns; p. 389, 5½ columns. I.

FLUSHING CULM: A Novel Plan of Conveying Culm into Old Workings to Support the Roof. Coll. Engr. & Met. Miner, vol. 14, p. 11. 2 columns. I.

CULM FILLING. By W. S. Gresley. Coll. Engr. & Met. Miner, vol. 14, p. 32. 1 column.

PACKING MINE WORKINGS. E. & M. J., vol. 80, p. 154. 1 column.

ROCK FILLING IN THE BALTIC MINE, MICHIGAN (Walled Entry). E. & M. J., vol. 78, p. 905. I.

FLUSHING THE MINES: Use of Culm as Mine Support. The Anth. Coal Industry, p. 219. Roberts. 3 pages.

FILLING OLD MINE WORKINGS. By C. Cizek. E. & M. J., vol. 76, p. 770. ½ column.

PACKING MINE WORKINGS WITH MATERIALS FLUSHED FROM THE SURFACE. Min. Mag., vol. 11, p. 539. 1¾ columns.

SAND FLUSHING FROM THE SURFACE. By V. Ranzinger. Min. Mag., Mar., 1905, p. 268.

PACKING MINE WORKINGS WITH MATERIALS FLUSHED DOWN FROM THE SURFACE. M. & M., vol. 26, p. 73, 1 column.

SIZE OF PIPE TO USE IN FLUSHING CULM. E. & M. J., vol. 82, p. 19. Note

BREAKER-WASTE DISPOSAL. E.&M.J., vol. 80, p. 304. 1 column.

FLUSHING CULM IN MINES: Wear of Pipes Remedied by Turning. Relative Cost Compared with Metal. E. & M. J., vol. 80, p. 344. ¼ column.

FLUSHING CULM IN COLLIERIES: Working Conditions. E. & M. J., vol. 83, p. 1056. ⅓ column.

FLUSHING CULM IN ANTHRACITE COAL MINING. E. & M. J., vol. 83, p. 626. Note; p. 722. Note.

AMOUNT OF WATER NECESSARY TO FLUSH CULM. E. & M. J., vol. 82, p. 1124. Note.

THE COMPRESSION OF STOPE FILLINGS. By B. J. Oberhausen. Sch. Mines Quart., vol. 26, p. 271. 5 pages. I.

USE OF WASTE FILLING. E. & M. J., vol. 84, p. 1004. ½ column.

AN ECONOMICAL MINING METHOD: Filling. Min. & Sci. Press, vol. 85, p. 366. 1½ columns. I.

FILLING SYSTEM OF MINING AT THE HOMESTAKE MINE. Min. & Sci. Press, vol. 88, p. 177. 3½ columns. I.

METHODS OF MINING ON THE MOTHER LODE, CALIFORNIA: Working in Swelling Ground. Filling System. Min. & Sci. Press, vol. 82, p. 37, 1¾ columns; p. 49, 1½ columns.

MINING AT THE DALY-WEST MINE, UTAH: Stoping and Filling. E. & M. J., vol. 82, p. 13. 1 column.

PROPOSED METHOD OF FILLING IN ANTHRACITE MINING. M. & M., vol. 19, p. 266. 1⅓ columns. I.

FLUSHING CULM. M. & M., vol. 18, p. 389, 4½ columns. I.; vol. 20, p. 388, 5½ columns. I.

PACKING WORKED COAL SEAMS BY FLUSHING. E. & M. J., vol. 77, p. 637. 2 columns. I.

FILLING MINES (Coal) WITH SAND (in Upper Silesia). E. & M. J., vol. 72, p. 704. Note.

Hydraulic Filling of a Coal Seam at Lens, Pas de Calais, France. By L. R. Hill and M. Burr. E. & M. J., vol. 82, p. 543. 4½ columns. I.

Water-Packing of Seams. By K. Müller and Mussmann. T. I. M. E., vol. 27, p. 722. 2 pages.

Water-Flush Stowing in Mines. T. I. M. E., vol. 31, p. 700. 3½ pages.

A Simple Method of Water-Stowage Employed at No. 5 Pit of the Escarpelle Mines. By Sante-Claire-Deville. T. I. M. E., vol. 35, p. 79. 8 pages.

The Hydraulic Filling of a Coal Seam at Lens, Pas de Calais, France. By L. R. Hill and M. Burr. T. I. M. & M., vol. 15, p. 371. 15 pages. I.

The Conveyor-System for Filling at the Coal Face, as Practiced in Great Britain and America. By W. C. Blackett and R. G. Ware. T. I. M. E., vol. 29, p. 449. 47 pages. I.

A Method of Packing Excavations in Coal-Seams by Means of Water. By E. O. F. Brown. T. I. M. E., vol. 28, p. 325. 14 pages. I.

The Filling Method at the Baltic and Trimountain Mines. E. & M. J., vol. 82, p. 769. 2½ columns. I.

Working an Iron Mine (Filling System). Min. & Sci. Press, vol. 59, p. 305. 4½ columns. I.

The System of Filling at the Mines of the Minnesota Iron Company, Soudan, Minnesota. By D. H. Bacon. T. A. I. M. E., vol. 21, p. 299.

The Filling Method at the Iron Mountain Mine, California. Min. & Sci. Press, vol. 94, p. 56. ½ column. I.

Working Zinc Deposit at Kelly, New Mexico, by the Filling Method: Advancing and Retreating. M. & M., vol. 27, p. 52. 1 column. I.

River Mining

River Mining. Min. & Sci. Press, vol. 34, p. 137, ¾ column. I.; p. 322, ⅓ column; p. 337, ½ column; vol. 35, p. 218, ¼ column.

River-Bed Mining. Min. & Sci. Press, vol. 59, p. 342. ½ column.

River Bed Mining. Min. & Sci. Press, vol. 66, p. 308. ⅔ column.

River Mining in California. By S. S. Boynton. E. & M. J., vol. 52, p. 266, 3 columns. I.; p. 636, ½ column.

River Mining in California. Min. & Sci. Press, vol. 76, p. 312. 5 columns. I.

Deep-Creek and River-Bed Mining. Min. & Sci. Press, vol. 57, p. 21. 2½ columns. I.

Diamond Digging in the Vaal River. E. & M. J., vol. 84, p. 344. ½ column.

Diving for Gold. Min. & Sci. Press, vol. 46, p. 265. ½ column.

Pool Mining for Gold. Min. & Sci. Press, vol. 46, p. 328. ⅔ column.

Diving for Gold. Min. & Sci. Press, vol. 53, p. 151. ⅓ column.

"Bobbing" for Quicksilver and Amalgam: Search for Wastes. Min. & Sci. Press, vol. 35, p. 263. ¾ column.

Churning for Quicksilver. Min. & Sci. Press, vol. 36, p. 306. ¼ column.

Deep Mining

Deep Mining. By J. Delvan. Min. & Sci. Press, vol. 43, p. 449. 1¾ columns.

Depth of Lake Superior Mines. Min. & Sci. Press, vol. 72, p. 461. ¾ column.

Mining at Great Depths. By B. H. Brough. Engineering, London, vol. 63, p. 712. 2½ columns.

Deep Working of Mines: Pros and Cons. T. I. M. & M., vol. 11, pp. 125, 327.

Depths of Mines in England. Am. Jour. Min., vol. 2, p. 290. ½ column.

Deep Mines of the World. Am. Jour. Min., vol. 2, p. 376. ⅓ column.

How Deep Can We Mine? Min. & Sci. Press, vol. 25, p. 396. ½ column.

Long and Deep Underground Workings. Min. & Sci. Press, vol. 45, p. 25. ⅔ column.

Surface and Deep Mining. By T. D. McLeod. Min. & Sci. Press, vol. 68, p. 99. 1½ columns.

Unsuccessful Deep Mining. Min. & Sci. Press, vol. 53, p. 248. ¾ column.

Suspension of Deep Mining. Min. & Sci. Press, vol. 53, p. 264. 2½ columns.

Deep-Level Mining. The Witwatersrand Gold-Fields, p. 459. 10 pages. I.

Difficulties of Deep Mining. M. & M., Sept., 1901, p. 58.

Deep Mining. E. & M. J., vol. 79, p. 1051. 1½ columns.

Deep Mining. Coll. Engr., vol. 13, p. 51. ¼ column.

German Deep Mining. Min. & Sci. Press, vol. 75, p. 5. ¼ column.

Exploration of the Lower Depths of the Earth. Min. & Sci. Press, vol. 89, p. 191. 1 column.

Considerations of Deep-Mining. By G. Farmer. T. I. M. E., vol. 31, p. 465. 21 pages.

Government Aid to Deep Gold Mining in Nova Scotia. By W. L. Libbey. J. M. Soc. N. S., vol. 9, p. 54. 17 pages.

Deep Mining at the Utica, Angels, California. By J. H. Collier. T. A. I. M. E., special volume, California Mines & Minerals, p. 97. 16 pages. I.

Our Deep Mines: California. Min. & Sci. Press, vol. 38, p. 249. ½ column.

Deep Mining on the Comstock. Min. & Sci. Press, vol. 39, p. 86. 4¼ columns.

Deep Mining in California. Min. & Sci. Press, vol. 75, p. 481. Note.

California Deep Mining. Min. & Sci. Press, vol. 74, p. 132. ½ column.

Deep Mining at the Utica Mine, Angels, California. By J. H. Collier. T. A. I. M. E., vol. 29, pp. 835, 1051.

Deep Fissuring at Rico, Colorado. E. & M. J., vol. 83, p. 1149. 1½ columns.

Deep Mining at Nevada City. Min. & Sci. Press, vol. 67, p. 370. 1 column.

Lowest Depths of Mines on the Comstock. Min. & Sci. Press, vol. 43, p. 76. List.

Deep Mining on the Comstock. By J. A. Church. E. & M. J., vol. 28, p. 35. 3½ columns.

Depths of Mines Connecting with the Sutro Tunnel, with Angle of Inclination. Min. & Sci. Press, vol. 70, p. 343. ¼ column.

Deep Mining in Cornwall. E. & M. J., vol. 63, p. 69. Note.

Greatest Depth at which Gold Ore has been Mined. E. & M. J., vol. 78, p. 618. ¼ column.

Deep Mining in Mexico, and the Changes that Occur in the Country-rock and Vein-filling in Depth. By E. Halse. T. I. M. & M., vol. 3, pp. 418, 437.

Deep Mining in Nova Scotia. J. C. M. I., vol. 2, p. 119. I.

Mining on the Witwatersrand to 12,000 Feet Deep. By J. Yates. E. & M. J., vol. 68, p. 337. 4 columns.

Mining in the Transvaal to 12,000, Feet Deep. E. & M. J., May 18, 1901, p. 615. 2½ columns. I.

Deep Level Mines on the Witwatersrand. E. & M. J., vol. 58, p. 344. 1 column.

Deep Level Shafts on the Rand. By A. E. Pettit. M. & M., vol. 26, p. 413. 7 columns. I.

Deep Level Mines on the Witwatersrand. E. & M. J., vol. 76, p. 80. 2 columns.

Deep Mining on the Rand, South Africa. Min. & Sci. Press, vol. 73, p. 481. 1 column.

Relation of Depth and Values. Min. & Sci. Press, vol. 78, p. 258. ¾ column.

Deep Mining and the Permanence of the Paystreak in Nova Scotia. E. & M. J., vol. 67, p. 495. 2 columns.

Ore Deposition and Deep Mining. By Waldemar Lindgren. Min. & Sci. Press, vol. 92, p. 41. 2½ columns. I.

Permanence in Depth of California Gold Mines. Min. & Sci. Press, vol. 74, p. 473. 1¼ columns.

The Deepest Gold Mining. Min. & Sci. Press, vol. 94, p. 227. ¾ column.

Gold Mining at 4000 Feet. Min. & Sci. Press, vol. 92, p. 104. 2 columns. I.

The Deepest Gold Mine. Min. & Sci. Press, vol. 68, p. 4. Note.

Gold at a Depth of 4224 Feet. Min. & Sci. Press, vol. 91, p. 360. ⅕ column.

Deep Gold Mining. Min. & Sci. Press, vol. 65, p. 301. ⅔ column.

Deep Conglomerate Mines: Copper. Min. & Sci. Press, vol. 64, p. 447. 4 columns. I.

Deep Mining in the Lake Superior Copper Region. By F. W. McNair. E. & M. J., vol. 83, p. 322. 6 columns.

Depth of Lake Superior Mines and Mining Costs. Min. & Sci. Press, vol. 72, p. 461. ¾ column.

Deep Coal Mining in Belgium. E. & M. J., vol. 80, p. 252. ⅞ column.

Coal-Mining at Depths Exceeding 3000 Feet. By P. Turner. T. I. M. E., vol. 21, p. 61. 16 pages.

Deep Coal Mining in Belgium. E. & M. J., vol. 66, pp. 277, 492. 1 column.

The Probable Average Depth at which Coal is now being Worked in the British Isles. Coll. Engr., vol. 10, p. 163. 1 column+.

The Deepest Coal Mine in the World. Coll. Engr., vol. 9, p. 56. ½ column.

Deep Alluvial Mining in Victoria. By F. D. Powers. E. & M. J., vol. 78, p. 509, 6 columns. I.; p. 549, 8½ columns. I.

The Possible Depth of Working Coal Mines. E. & M. J., vol. 12, p. 194, 1¾ columns; p. 212, 2 columns.

A New Method for Working Deep Coal-Beds. By H. M. Chance. T. A. I. M. E., vol. 30, p. 285.

Deep Coal Mining. By Geo. Farmer. E. & M. J., vol. 82, p. 209. 5¾ columns.

Problems of Working Thick Coal in Deep Mines. By L. Holland. T. I. M. E., vol. 28, p. 349. 10 pages.

Deep Level Coal Mining. P. C. M. & M. Soc. S. A., vol. 5, p. 139. 1 column.

Beach Mining

Auriferous Beach Mining in Australia. E. & M. J., vol. 60, p. 491. ½ column.

The Mining of Beach Sands. Min. & Sci. Press, vol. 74, p. 405. 3 columns. I.

Beach Mining with a Surf Washer. By A. E. Elffner. Min. & Sci. Press, vol. 86, p. 364. 1 column. I.

The Gold Bluffs and Gold Beaches on Our Northern Coast: First Discovery of Beach Gold. Min. & Sci. Press, vol. 43, p. 104. 1¾ columns.

The Ocean Placers of San Francisco. Min. & Sci. Press, vol. 37, p. 210. 3½ columns.

Beach Mining Along Our Gold Coast. Min. & Sci. Press, vol. 29, p. 56. 1½ columns.

Beach Mining. Min. & Sci. Press, vol. 28, p. 49. 4 columns. I.

Beach Mining on the Northern Coast. Min & Sci. Press, vol. 16, p. 114. 1⅞ columns.

Beach Mining for Gold: Apparatus for the Work. Min. & Sci. Press, vol. 47, p. 1. 1¾ columns. I.

Ocean Beach Mining on Monterey Bay. Min. & Sci. Press, vol. 65, p. 126. ⅞ column.

The Pacific Beach Mines. E. & M. J., vol. 5, p. 161. 1½ columns.

Excavation of Earth, Rock, and Ore, Use of Steam Shovels, Mechanical Excavators and Unloaders

Earth Classification: Kinds of Earth; Test Pits. By H. P. Gillette. Earthwork and Its Costs, Chap. 2, p. 19. 5 pages.

Earth and Earth Structures: Voids and Weight of Earth; Natural Slopes; Friction of Earth; Earth Pressure; Slips and Subsidences; Embankment Construction; and Effect of Freezing. Earthwork and Its Cost, by H. P. Gillette, Chap. 18, p. 184.

Earth Shrinkage: Swelling of Earth and Shrinking of Earth. Earthwork and Its Cost, by H. P. Gillette. Chap. 1, p. 11. 8 pages.

Calculations of Excavations. By S. N. Bell. M. & M., vol. 27, p. 42. 5 columns+. I.

Graduation: Width of Cuts and Fills in Railroad Work. Min. & Sci. Press, vol. 25, p. 162. ½ column.

Rules for Rapid Calculation of Values per Cubic Yard Gold Dredging. Min. Mag., Jan., 1905, p. 14.

Method of Excavating Rock in Large Masses. By G. C. McFarlane. E. & M. J., vol. 84, p. 204. 5 columns.

Rock Excavation: Methods and Cost. By H. P. Gillette.

Method of Clearing and Grubbing Land and Blasting Stumps. By D. J. Hauer. Eng.-Cont., vol. 27, p. 93. 6 columns.

The Removal of the Obstructions at Hell Gate. E. & M. J., vol. 11, p. 41. 1¼ columns.

The Hell Gate Obstructions. Min. & Sci. Press, vol. 23, p. 99. 1⅔ columns. I.

Mechanical Methods of Rock Excavation on the Chicago Main Drainage Channel. By W. G. Potter. J. W. Soc. E., vol. 1, p. 145. 41 pages. I.

The Price Excavator. Min. & Sci. Press, vol. 34, p. 347. 1 column. I.

Sand and Gravel Digger, Elevator and Grader. M. & M., May, 1904, p. 507. 1 column. I.

The Triumph Digger and Elevator, p. 524. 1½ columns. I.

Smulder's Excavators. Engineering, London, vol. 70, p. 149. 2 columns. I.

The Calhoun Excavator. E. & M. J., vol. 62, p. 441. 1 column. I.

The Bucket-Dredging Industry. By E. S. Marks and G. N. Marks. T. I. M. & M., vol. 15, p. 453. 60 pages. I.

Sand-Pump Dredging on the Mersey. Engineering, London, vol. 79, p. 301, 7¼ columns, I.; and p. 464, 4½ columns.

Conveyor Dredge Used on the Suez Canal. J. W. Soc. E., vol. 1, p. 14. Note. I.

BUCK-SCRAPERS FOR EARTHWORK. Min. & Sci. Press, vol. 56, p. 329. 3 columns. I.

THE STEAM-SHOVEL AT BINGHAM. By L. S. Cates. Min. & Sci. Press, vol. 93, p. 201. 2 columns. I.

STEAM SHOVELS IN THE BINGHAM, UTAH. E. & M. J., vol. 84, p. 433. 2 columns. I.

STEAM SHOVEL WORK IN BINGHAM MINES. Min. & Sci. Press, vol. 94, p. 597. 4 columns. I.

USE OF STEAM SHOVEL IN ASPEN TUNNEL. E. & M. J., vol. 73, p. 520. I.

SIX-YARD DIPPER DREDGE. Engineering, London, vol. 69, p. 595. 3 columns. I.

BUCKET DREDGING MACHINE FOR THE RUSSIAN GOVERNMENT. Engineering, London, vol. 67, p. 814. ¾ column. I.

STEAM SHOVEL AND DERRICK PLACER MINING IN IDAHO. By J. B. Hastings. E. & M. J., vol. 60, p. 589. 1 column. I.

THE STEAM SHOVEL IN MINING. By A. W. Robinson. T. L. S. M. I., vol. 4, p. 59. 10 pages. I.

THE "CRANE NAVVY": Steam Shovel. Engineering, London, vol. 77, p. 816. 1½ columns. I.

THE VULCAN HEAVY-DUTY STEAM-SHOVEL. E. & M. J., Mar. 30, 1905, p. 634. 3¼ columns. I.

THE ATLANTIC STEAM SHOVEL. M. & M., Oct., 1904, p. 140.

THE ALLIS-CHALMERS STEAM SHOVEL. By W. N. Tanner. E. & M. J., vol. 81, p. 224. 5 columns. I.

STEAM SHOVEL WORK: Use of a Scraper to Clean Tracks. Eng.-Cont., vol. 27, p. 15. ⅓ column.

STEAM-SHOVEL IN COPPER MINING. Min. & Sci. Press, vol. 92, p. 177. ½ column.

STEAM CYLINDER FEED FOR STEAM SHOVELS. M. & M., vol. 19, p. 537. I.

CAPACITY OF STEAM SHOVELS IN LAKE SUPERIOR IRON MINES. E. & M. J., vol. 82, p. 308. Note.

IRON MINING ON A BIG SCALE. Min. & Sci. Press, vol. 92, p. 382. 2 columns.

MINING (Iron Ore) WITH THE STEAM SHOVEL. By D. E. Woodbridge. Min. & Sci. Press, vol. 92, p. 417. 3⅓ columns. I.

STEAM SHOVEL WORK IN LOADING STOCK PILES. Min. & Sci. Press, vol. 84, p. 59. Note.

A STEAM SHOVEL FOR HANDLING IRON ORE. E. & M. J., vol. 65, p. 189. ½ column. I.

THE ATLANTIC STEAM SHOVEL. E. & M. J., vol. 78, p. 352. 4 columns. I.

STEAM SHOVELS IN MESABI REGION: Force to Operate, Cost, Fuel, etc., Capacity. E. & M. J., vol. 80, p. 164. Note.

Open-Cut Mining, Milling Methods, etc.

A NOVEL COAL-STRIPPING PLANT. M. & M., vol. 28, p. 139. 2 columns. I.

MINING AT BINGHAM, UTAH. By J. W. Abbott. Min. & Sci. Press, vol. 94, p. 596. 4 columns. I.

COAL MINING BY OPEN STRIPPING IN PENNSYLVANIA. By F. W. Parsons. E. & M. J., vol. 81, p. 1239. 4 columns. I.

METHODS OF WORKING ON THE MESABI IRON RANGE. By D. S. Bacon. E. & M. J., vol. 64, p. 306. 1½ columns.

MINING TENNESSEE PHOSPHATES. E. & M. J., vol. 66, p. 68. ⅔ column.

OPEN-CUT MINING IN THE MESABI IRON RANGE. E. & M. J., vol. 74, p. 302. ½ column. I.

COAL STRIPPING BY STEAM SHOVEL IN KANSAS. By W. R. Crane. E. & M. J., vol. 74, p. 615. 6½ columns. I.

OPEN-PIT MINING IN THE MESABI IRON ORE RANGE. E. & M. J., Feb. 9, 1905, p. 266.

WINTER STRIPPING ON THE MESABI. By D. E. Woodbridge. E. & M. J., vol. 81, p. 363. 2½ columns. I.

MINING METHODS ON THE MESABI RANGE. By C. E. Bailey. T. A. I. M. E., vol. 27, p. 529.

METHODS OF IRON-MINING IN NORTHERN MINNESOTA. By F. W. Denton. T. A. I. M. E., vol. 27, p. 344.

OPEN-PIT MINING, WITH SPECIAL REFERENCE TO THE MESABI RANGE. By F. W. Denton. T. L. S. M. I., vol. 3, p. 84. 9 pages.

THE STEAM SHOVEL IN MINING. By A. W. Robinson. T. L. S. M. I., vol. 4, p. 59. 10 pages. I.

OPEN CUT MINING. Min. & Sci. Press, vol. 91, p. 70. 1½ columns. I.

QUARRYING GOLD ORE. Min. & Sci. Press, vol. 63, p. 81. ¼ column. I.

STRIPPING COAL NEAR HAZLETON, PENNSYLVANIA. Min. Mag., Mar., 1905, p. 218.

CHINESE OPEN-CAST WORKING, MALAY PENINSULA. T. I. M. & M., vols. 1 and 2, plate I.

DRY GOLD PLACERS OF THE ARID REGIONS: The Reasons for the Difficulties of Working which They Usually Present. By G. H. Stone. M. & M., vol. 19, p. 397. 4½ columns.

MINING CLAY. By J. C. Smock. T. A. I. M. E., vol. 3, p. 211.

GEM MINING IN CEYLON. By E. Huhn. E. & M. J., vol. 71, p. 204. ¾ column.

OPEN WORKINGS, DE BEERS MINES. Diamond Mines of South Africa, pp. 196–209, 247–259.

THE CABLEWAY IN OPEN PIT MINING. T. F. C. M. I., vol. 3, p. 173. 16 pages. I.

METHODS OF WORKING THE KIMBERLEY DIAMOND MINES. T. N. S. I. M. & M. E., vol. 10, p. 89. 8 pages. I.

STRIPPING IN THE ANTHRACITE FIELDS. The Anth. Coal Industry, p. 20. Roberts. 2 pages. I.

MINING OPERATIONS IN ALTIN, BRITISH COLUMBIA: A Description of Some of the Placer and Hydraulic Plants which are Being Installed. By R. L. Watson. M. & M., Jan., 1902, p. 273. 5¾ columns. I.

STRIPPING ORE-DEPOSITS. By F. H. McDowwell. T. A. I. M. E., vol. 18, p. 627.

STRIPPING ANTHRACITE SEAMS. By H. W. Althouse. Coll. Engr., vol. 12, p. 182. 2½ columns. I.

STRIPPING OF THE MAMMOTH VEIN. Coll. Engr., vol. 8, p. 25. ½ column. I.

METHOD OF REMOVING OVERBURDEN AT THE NEW BROTHERS HOME NO. 1 TIN MINE, TASMANIA. By J. B. Lewis. E. & M. J., vol. 75, p. 815. 5½ columns. I.

THE STRIPPING AT MISSION COAL FIELDS, ILLINOIS. E. & M. J., vol. 62, p. 537. ¾ column.

MINING AND TREATMENT OF THARSIS COPPER ORES. By C. F. Courtney. E. & M. J., vol. 61, p. 326. 1 column.

MINING YELLOW-OCHER IN GEORGIA. By T. L. Watson. T. A. I. M. E., vol. 34, pp. 643–663.

BENCH MINING OF A CLAY-BANK. T. A. I. M. E., vol. 29, p. 51.

OPEN-PIT ZINC MINE AT WEBB CITY, MISSOURI. By F. L. Garrison. E. & M. J., vol. 84, p. 300. 2 columns. I.

METHOD OF MINING AT THE TILLY FOSTER IRON MINE, NEW YORK. T. A. I. M. E., vol. 15, p. 86, etc.

METHOD OF WORKING THE TILLY FOSTER IRON MINE. T. A. I. M. E., vol. 13, p. 483.

MINING AND STORING ICE. By W. P. Blake. T. A. I. M. E., vol. 11, p. 339.

THE MILLING SYSTEM OF OPEN CUT WORK AT THE HOMESTAKE MINES: "Glory-Hole" Method. Min. & Sci. Press, vol. 90, p. 392. Note.

THE MILLING SYSTEM OF MINING IN THE MESABI ORE RANGE. E. & M. J., Feb. 9, 1905, p. 267; Feb. 23, 1905, p. 366.

The Milling Method as Applied to the Baden Copper Mines, Valparaiso. E. & M. J., vol. 84, p. 1060. ¾ column. I.

"Stripping" and "Milling" in the Mesabi District, Minnesota. T. L. S. M. I., vol. 10, p. 152. 4 pages.

Quarrying Methods

Methods of Quarrying, Cutting and Polishing Granite. By W. C. Day. E. & M. J., vol. 51, p. 555. 2½ columns.

Quarrying. By C. Le Neve Foster. E. & M. J., vol. 60, p. 151. 4 columns. I.

Economic Points in Quarry Practice: The Action of Explosives; Estimating the Direction and Amount of Rock Pressure. By O. H. Howarth. M. & M., Sept., 1904, p. 59. 6 columns.

Dimension Stone Quarrying: The Blasting Process. E. & M. J., vol. 54, p. 248. 1 column.

Quarrying by Wire Cord. E. & M. J., vol. 47, p. 321, 1 column, I.; p. 478, 2 columns, I.

Quarrying and Finishing Building Stones. By W. H. Nichols. E. & M. J., vol. 65, p. 701. 2½ columns. I.

Pioneer Slate Quarrying. E. & M. J., vol. 65, p. 433. ½ column.

The Position and Method of Working Bath Stone in the Quarries of the Bath Stone Firms. By W. David. T. I. M. E., vol. 20, p. 495. 5 pages.

Hydraulic Mining: Methods and Appliances, Giants, Elevators, etc.

Notes on Hydraulic Mining. M. & M., vol. 28, p. 1. 8 pages. I.

Hydraulic Mining. T. I. M. E., vol. 27, p. 137. 16 pages. I.

Hydraulic Mining. By W. W. Hartz. M. & M., vol. 27, p. 485. 3 columns. I.

The Nomenclature of Modern Placer Mining. By J. P. Hutchins. E. & M. J., vol. 84, p. 293. 8 columns. I.

The Rehabilitation of Hydraulic Mining. By J. P. Hutchins. E. & M. J., vol. 82, p. 871, 8 columns, I.; p. 913, 7 columns.

Hydraulic Mining in a Cold Climate. By J. P. Hutchins. Min. & Sci. Press, vol. 92, p. 361. 6 columns. I.

Hydraulic Mining. Min. & Sci. Press, vol. 67, p. 422, 3 columns; vol. 68, p. 5, 2½ columns, I.; p. 21, 2½ columns, I.; p. 37, 2 columns; p. 53, 2½ columns, I.; p. 69, 2½ columns, I.; p. 102, 2 columns. I.; p. 119, 2½ columns, I.

Working Low Beds of Gravel. Min. & Sci. Press, vol. 51, p. 353, 3 columns, I.; vol. 52, p. 305, 4 columns, I.

Notes on Hydraulic Mining. Min. & Sci. Press, vol. 91, p. 94, 3 columns; p. 111, 1½ columns.

Changes in Hydraulic Mining. Min. & Sci. Press, vol. 18, p. 14. ½ column.

Advantages of Hydraulic Mining. Min. & Sci. Press, vol. 27, p. 346. 1¾ columns.

Hydraulic Engineering on the Pacific Slope. Min. & Sci. Press, vol. 27, p. 376. 5 columns. I.

Hydraulic Mining with Slight Fall. Min. & Sci. Press, vol. 25, p. 2. ½ column.

Reworking Old Ground: Gravels. Min. & Sci. Press, vol. 30, p. 129. ¾ column.

Hydraulicking Low-Grade Gravel. By P. Bouery. Min. & Sci. Press, vol. 86, p. 244. 2 columns.

Placer Mining Kinks. By C. P. Richardson. Min. & Sci. Press, vol. 84, p. 174, 2½ columns, I.; p, 190, 3¾ columns, I.; p. 204, 4½ columns, I.

Placer Mining and the Future Possibilities of This Branch of the Mining Industry. By J. W. Gray. Min. & Sci. Press, vol. 78, p. 480. 2½ columns.

Nature's Hydraulic Mining. Min. & Sci. Press, vol. 70, p. 345. 1 column.

An Advance in Gravel Mining. Min. & Sci. Press, vol. 73, p. 253. 3 columns+.

Practical Notes on Hydraulic Mining. By G. H. Evans. Min. & Sci. Press, vol. 74, p. 304, 2⅓ columns; p. 325, 1¾ columns; p. 344, 1½ columns; p. 365, 2⅓ columns; p. 388, 1½ columns; p. 410, 1¾ columns; p. 432, 2 columns; p. 452, 1½ columns; p. 472, 1¾ columns; p. 497, 1½ columns.

Hydraulic Mining. Min. & Sci. Press, vol. 75, p. 572, 2¼ columns; p. 596, 2 columns, I.; vol. 76, p. 5, 1 column; p. 34, 1½ columns; p. 57, 1¾ columns; p. 157, ½ column.

Defining Hydraulic Mining. Min. & Sci. Press, vol. 76, p. 439. 2⅙ columns.

Low-Grade Gravel Property. Min. & Sci. Press, vol. 85, p. 324. 3½ columns. I.

Successful Working of Cement Gravels. By G. E. Bailey. Min. & Sci. Press, vol. 81, p. 494. 1½ columns.

Effect of Water on Hydraulic Banks: Amount of Earth Moved. Min. & Sci. Press, vol. 50, p. 396. ½ column.

Bringing Water to the Mine: Hydraulic Mining. Min. & Sci. Press, vol. 29, p. 370. 1½ columns.

Hydraulic Gold Mining. Min. & Sci. Press, vol. 31, p. 50, 2½ columns; p. 114, 1½ columns; p. 161, 2 columns; p. 178, 2 columns; p. 313, 2¾ columns; vol. 32, p. 50, 1⅔ columns; p. 89, 1½ columns; p. 121, 2 columns.

A Great Engineering Problem. By W. A. Lawson. E. & M. J., vol. 78, p. 588. 5 columns. I.

Power of Water to Move Gravel. E. & M. J., vol. 38, p. 316. ½ column.

Hydraulic Mining on the Quesnelle. By W. M. Brewer. E. & M. J., vol. 76, p. 656. 5⅓ columns. D.

Working Placer Deposits in the United States. By T. Egleston. Sch. Mines Quart., vol. 7, p. 101. 31 pages.

Placer and Hydraulic Mining. Sch. Mines Quart., vol. 3, p. 79. 12 pages.

Notes on Hydraulic Mining: Practical Points Necessary to be Considered in Carrying Water in Ditches and Flumes, etc. By G. E. Evans. M. & M., vol. 21, p. 202. 3½ columns. I.

Auriferous Gravels and Hydraulic Mining. By W. S. Welton. T. I. M. E., vol. 22, p. 137. 15 pages. I.

Origin and Development of Placer Mining. Placer Mining, Chap. 9, p. 53.

Methods of Working: Surface Mining; Working Frozen Ground; Drifting; Hydraulicking. Placer Mining, Chap. 10, p. 62.

Placer Mining Practice: Development of Gold Washing Apparatus. Placer Mining, Chap. 14, p. 96.

Placer Mining Practice: Blasting; Tunneling; Sluices; Undercurrents, etc.; Tailings and Dump. Placer Mining, Chap. 15, p. 105.

Placer Mining Practice: Washing or Hydraulicking. Placer Mining, Chap. 16, p. 115.

Notes on Hydraulic Mining in Low-Grade Gravel. By Wm. H. Radford. T. A. I. M. E., vol. 31, p. 617.

An Improved System of Water-Supply for Hydraulic Mining. By H. D. Peasall. T. A. I. M. E., vol. 16, p. 602.

The Essential Data of Placer Investigations. By J. P. Hutchins. E. & M. J., vol. 84, p. 340, 11 columns, I.; p. 385, 7 columns, I.

Working Flat Placers. E. & M. J., vol. 61, p. 538. 1 column.

Placer and Hydraulic Mining. By D. H. Stovall. Min. Mag., Sept., 1904, p. 195. 8 columns. I.

Some Notes on Hydraulic Mining. By A. J. Bowie. E. & M. J., vol. 64, p. 519. 2½ columns.

Notes on Hydraulic Mining in Low-Grade Gravel. By W. H. Radford. T. A. I. M. E., vol. 31, p. 617.

Sluice, Beach, Bar and River Mining. Sch. Mines Quart., vol. 7, p. 110. 21 pages.

Ground Sluicing. Min. & Sci. Press, vol. 29, p. 73, ½ column, I.; p. 305, ½ column, I.

Booming with a "Shooter." Min. & Sci. Press, vol. 81, p. 594. ⅔ column.

Booming into Mills from Hill-Sides, Employed in Georgia Gold Mines. E. & M. J., vol. 26, p. 117. Note.

Working Placer Mines where Water is Scarce: Booming. Min. & Sci. Press, vol. 47, p. 118. ⅞ column.

Mergers in Placer Mining. By J. P. Hutchins. E. & M. J., vol. 81, p. 1187. 10 columns. I.

Frozen Gold Gravel. By J. P. Hutchins. E. & M. J., vol. 82, p. 720. 13 columns. I.

Mining for Flour Gold. Min. & Sci. Press, vol. 58, p. 297. ½ column.

Loss of Gold in Placer-Mining. By D. H. Stovall. Min. & Sci. Press, vol. 94, p. 249. 2½ columns. I.

Chinese Placer Mining. Min. & Sci. Press, vol. 43, p. 6. ½ column.

Alluvial Tin Mining: Hydraulic Mining. Tin Deposits of the World, p. 45. 10 pages. I.

How to Build a Rocker. Min. & Sci. Press, vol. 78, p. 409. 1½ columns. I.

The Rocker (Cradle). Min. & Sci. Press, vol. 84, p. 162. 1 column. I.

Who Invented the First Hydraulic in California? Min. & Sci. Press, vol. 64, p. 74. 2 columns.

Early Hydraulic Mining. Min. & Sci. Press, vol. 64, p. 280. 2¾ columns.

Who Invented the Hydraulic Nozzle? Min. & Sci. Press, vol. 51, p. 292. 1 column.

Father of Hydraulic Mining. Min. & Sci. Press, vol. 44, p. 210. ¼ column.

The Little Giant Controversy: Mechanical and Legal History of Hydraulic Mining. Min. & Sci. Press, vol. 44, p. 264. 2 columns.

Simmons' Ball-Bearing Hydraulic Giant. Min. & Sci. Press, vol. 75, p. 264. 1 column. I.

Hydraulic Giant at Otago: Alluvial Mining. T. A. I. M. E., vol. 21, p. 452.

An Improved Hydraulic Giant. E. & M. J., Mar. 23, 1905, p. 588. 1 column.

Excavators for Auriferous Gravel: Orange Peel Grab Bucket. Min. & Sci. Press, vol. 59, pp. 101, 113. ½ column. I.

Hydraulic Jet Elevator. E. & M. J., Mar. 9, 1905, p. 471.

The Hydraulic Elevator at the Alluvial Mines of Otago. T. A. I. M. E., vol. 21, pp. 443, 444, 445, 446, 460, etc.

The Evans Hydraulic Elevator. E. & M. J., vol. 65, p. 581. 1 column. I.

A Hydraulic Gravel Elevator. Min. & Sci. Press, vol. 35, p. 33. 3 columns. I.

Cranston's Hydraulic Water Lifter. Min. & Sci. Press, vol. 36, p. 305. ½ column. I.

The Hydraulic Gravel Elevator System. Min. & Sci. Press, vol. 65, p. 345. 4½ columns. I.

Hydraulic Gravel Elevators. Min. & Sci. Press, vol. 50, p. 269. 2¼ columns. I.

Hydraulic Gravel Elevator: Calculations of. Min. & Sci. Press, vol. 44, p. 73. ¾ column.

Hydraulic Water Lifting Apparatus for Mines. Min. & Sci. Press, vol. 44, p. 121. 1 column. I.

Hydraulic Gravel Elevators. Min. & Sci. Press, vol. 44, p. 153, 3 columns, I.; p. 401, 2 columns.

Hydraulic Gravel Elevators. Min. & Sci. Press, vol. 53, p. 201. 1½ columns. I.

A New Hydraulic Elevator. Min. & Sci. Press, vol. 53, p. 341. 2 columns. I.

Hydraulic Elevators Used at Mount Bischoff, Tasmania. T. I. M. & M., vol. 14, p. 225. Note. I.

A Simple Hydraulic Elevator. By J. D. Reid. E. & M. J., vol. 62, p. 198. ⅔ column. I.

The Evans Hydraulic Gravel Elevator. By T. J. Barbour. T. A. I. M. E., special volume, California Mines & Minerals, p. 434. 5 columns.

The Hydraulic Gravel Elevator. Min. & Sci. Press, vol. 72, p. 261. 4 columns. I.

Working Low-Lying Gravel Deposits by the Hydraulic Elevator System. By R. H. Campbell. Min. & Sci. Press, vol. 88, p. 114. 2¾ columns. I.

New Apparatus in an Old District: Hydraulic Gravel Elevator. Min. & Sci. Press, vol. 76, p. 134. 3 columns. I.

The Hydraulic Elevator at the Chestatee Mine, Georgia. By W. R. Crandall. T. A. I. M. E., vol. 26, p. 62.

A Hydraulic Mining Device. By C. G. Yale. E. & M. J., vol. 82, p. 1110. ⅔ column.

A New Application of Hydraulicking. By E. A. Ritter. Min. & Sci. Press, vol. 93, p. 665. 1 column. I.

Placer Mining by Machinery. Min. & Sci. Press, vol. 76, p. 156. 4⅓ columns. I.

Novel Appliances for Hydraulic Mining. Min. & Sci. Press, vol. 74, p. 513. 1 column. I.

Rock-Separating Apparatus for Mining Sluices. Min. & Sci. Press, vol. 56 p. 341. 4 columns. I.

A Hydraulic Grapple (for Handling Boulders). Min. & Sci. Press, vol. 73, p. 65. 1 column. I.

"Shot Gun" Dumps in Flume Work. Min. & Sci. Press, vol. 43, p. 384. ½ column.

Flume Battery for Hydraulic Mines. Min. & Sci. Press, vol. 31, p. 8. ⅔ column.

Taking the Gravel Banks by Storm: Gravel Blast. Min. & Sci. Press, vol. 33, p. 65. ⅔ column. I.

The Sweeney Placer Working Machine. E. & M. J., vol. 65, p. 374. 2 columns. I.

Hydraulic Mining by Pumping. By D. H. Stovall. Min. & Sci. Press, vol. 92, p. 309. 2 columns. I.

Hydraulic Mining in California. E. & M. J., vol. 19, p. 145, 2½ columns, I.; p. 161, 4 columns, I.; p. 181, 5¾ columns, I.; p. 221, 6 columns, I.; p. 241, 5½ columns, I.; p. 265, 3½ columns, I.

Summit County Placers of Colorado: A Description of the Great Hydraulic Works now nearing Completion near Breckenridge. By A. Lakes. M. & M., Jan., 1903, p. 241. 8 columns.

Examples of Placers: The Roscoe Placer. Placer Mining, Chap. 18, p. 134.

Examples of Placers: The Alma Placer. Placer Mining, Chap. 17, p. 124.

The Keystone Hydraulic Mine in Colorado. E. & M. J., vol. 72, p. 424. 1½ columns. I.

Hydraulic Mining in Colorado. By W. E. Thorne. Min. & Sci. Press, vol. 93, p. 688. 3 columns. I.

Placer Mining in the Klondike Country. E. & M. J., vol. 64, p. 425. 2 columns. I.

Hydraulic Work in the Atlin Country. E. & M. J., vol. 71, p. 6. 2 columns. I.

An Automatic Screen for Flumes: Unwatering Device; Traveling Screen. Min. & Sci. Press, vol. 55, p. 369. 1 column. I.

Automatic Excavator for Placer Mining. By J. A. Yeatman. Min. & Sci. Press, vol. 89, p. 410. 2 columns. I.

The Largest Flume in the World: San Diego County, California. Min. & Sci. Press, vol. 57, p. 315. ½ column.

Bed-Rock Flumes. Min. & Sci. Press, vol. 35, p. 97. ⅔ column.

The Moving Power of Water, with Special Reference to Ditches and Hydraulic Mining. Tin Deposits of the World, p. 48. Table.

Flumes and Their Construction. Min. & Sci. Press, vol. 89, p. 272. 2 columns. I.

The Stave and Binder Flume. By G. Sterling. Min. & Sci. Press, vol. 84, p. 189. 1⅔ columns.

The Wood Flumes of Nevada. Min. & Sci. Press, vol. 27, p. 182. ⅓ column.

Undercurrents: Hydraulicking. Min. & Sci. Press, vol. 44, p. 195. 1 column.

Width of Sluice Plates. Min. & Sci. Press, vol. 85, p. 268. 1¼ columns.

Pavement of Sluices. Min. & Sci. Press, vol. 34, p. 377, ¾ column, I.; vol. 35, p. 8, ½ column.

Washing Boxes at Otago: Alluvial Mining. T. A. I. M. E., vol. 21, p. 450.

Sluices and Undercurrents in Hydraulic Mining. T. I. M. E., vol. 27, p. 140. 3 pages. I.

Sluices, Ditches and Riffles in Klondike Mining Practice. E. & M. J., vol. 83, pp. 414–418. I.

Sluice Head and Grade in Hydraulicking (Sluicing) Tin Stone. Tin Deposits of the World, p. 47. Table.

An Alaska Dam and Flume. Min. & Sci. Press, vol. 89, p. 436. ¾ column. I.

Box Sluices. Min. & Sci. Press, vol. 82, p. 115. ⅞ column.

A Syphon Mining Sluice. Min. & Sci. Press, vol. 42, p. 333. 1½ columns. I.

Saving of Sulphurets in Hydraulic Mining Sluices. Min. & Sci. Press, vol. 18, p. 353, 1⅔ columns; p. 376, 1⅓ columns.

Placer Sulphurets. Min. & Sci. Press, vol. 18, p. 393. ⅔ column.

The Question of Riffles. E. & M. J., vol. 84, p. 441. 3 columns. I.

The Best Riffles for Platinum. Min. & Sci. Press, vol. 92, p. 236. 1 column. I.

Riffle Construction. Min. & Sci. Press, vol. 85, p. 23. I.

Troffton's Gold-Saving Device (Riffle). Min. & Sci. Press, vol. 61, p. 239. 1⅓ columns. I.

Iron Copped Riffles. Min. & Sci. Press, vol. 74, p. 453. ½ column. I.

Evan's Corrugated Riffle. Min. & Sci. Press, vol. 18, p. 161. 2 columns. I.

Jenning's Improved Mining Sluice. Min. & Sci. Press, vol. 18, p. 257. 1⅓ columns. I.

Peer and Lundquist Flume Riffle. Min. & Sci. Press, vol. 27, p. 273. 1½ columns. I.

The Saving of Alluvial Gold in Alaska and the Klondike. By C. W. Purington. Min. Mag., Jan., 1905, p. 16. 18 columns. I.

Placer Mining in Josephine County, Oregon. By A. B. Cousins. E. & M. J., vol. 74, p. 582. 2 columns. I.

Placer Mining in Southern Oregon. By D. H. Stovall. Min. & Sci. Press, vol. 87, p. 100, 1 column; p. 216, 1½ columns.

Giant Hydraulic Placer Mining in Oregon: Pumping Water with Turbines against a Head of 430 Feet for Operating Giants. By A. S. Atkinson. M. & M., vol. 26, p. 348. 2 columns.

Peculiar Method of Hydraulicking in Oregon: Direct Centrifugal Pump Pressure. M. & M., vol. 26, p. 123. ¼ column.

Washings for Gold Along the Rhine. By B. Neumann. T. I. M. E., vol. 27, p. 631. ½ page.

Placers of the Black Hills, Dakota. T. A. I. M. E., vol. 17, p. 571.

The Gold Placers of the Eastern Ural Mountains, Russia. By H. B. C. Nitze. E. & M. J., vol. 66, p. 305. 2½ columns. I.

Dredging for Gold and Other Materials: Practice and Appliances

Gold Dredging in California. Min. & Sci. Press, vol. 91, p. 160, 4½ columns, I.; p. 178, 5 columns, I.

Gold Dredging in Colorado. Min. & Sci. Press, vol. 91, p. 398. 1 column+.

Dredging: Prospecting and Historical. By J. P. Hutchins. E. & M. J., vol. 80, p. 49, 3¾ columns, I.; p. 102, 6½ columns.

Dredging and Valuing Dredging-Ground in Oroville, California. By N. B. Knox. T. I. M. & M., vol. 12, p. 452. 10 pages. I.

Dredging and Horticulture. By D'Arcy Weatherbe. Min. & Sci. Press, vol. 94, p. 151. 2 columns.

Operating a Dredge in Cold Cilmates by Submerging the Gravel. Min. & Sci. Press, vol. 93, p. 775. Note.

Alluvial Mining in Otago. By T. A. Rickard. T. A. I. M. E., vol. 21, p. 442.

Notes on Alluvial Mining in New Zealand. By J. W. Gray. Min. & Sci. Press, vol. 78, p. 208. 1⅞ columns.

Hydraulic Mining in California. By J. P. Hutchins. E. & M. J., vol. 81, p. 939. 12 columns. I.

Deep Placer Mining in California. E. & M. J., vol. 11, p. 106, 2 columns+; p. 120, 2½ columns; p. 136, 1⅔ columns, I.; p. 159, 6 columns, I.; p. 195, 2 columns+; p. 216, 2½ columns; p. 243, 2¼ columns; p. 258, 3½ columns.

Auriferous Gravels of California and Methods of Their Exploitation. E. & M. J., vol. 50, p. 310. 2 columns.

Mining for Gold in the Auriferous Gravels of California. By G. K. Radford. T. I. M. E., vol. 17, p. 452. 30 pages. I.

Hydraulic Mining in California. Min. & Sci. Press, vol. 29, p. 337, 3 columns, I.; p. 361, 2½ columns; p. 369, 3 columns, I.; p. 386, 2 columns; p. 409, 2 columns.

A Hydraulic Mine in California. By D'Arcy Weatherbe. Min. & Sci. Press, vol. 93, p. 296. 4¼ columns. I.

Hydraulic Mining in California. By C. G. Yale. E. & M. J., vol. 82, p. 1065. 1½ columns.

Hydraulic Mining in Humboldt County, California. E. & M. J., Feb. 23, 1905, p. 362. 2¼ columns. I.

Hydraulic Mining in California. By A. J. Bowie. T. A. I. M. E., vol. 6, p. 27.

California Gravel Mines. Min. & Sci. Press, vol. 27, p. 8. 2 columns.

Gravel Mining. Min. & Sci. Press, vol. 30, p. 353. 1¼ columns.

Hydraulic Mining in California. Min. & Sci. Press, vol. 30, p. 9, 2 columns, I.; p. 17, 1 column, I.; p. 33, 1 column; p. 49, 2 columns, I.; p. 72, ⅔ column; p. 92, ⅔ column; p. 108, 1 column; p. 113, 1 column; p. 137, 1⅔ columns, I.

Hydraulic Mining in California. Min. & Sci. Press, vol. 30, p. 145, 1½ columns; p. 161, 2 columns, I.; p. 177, 2 columns, I.; p. 193, 1 column; p. 217, 1½ columns; p. 233, 1 column; p. 249, ⅔ column; p. 272, ½ column; p. 289, ¾ column, I.

The Spring Valley Hydraulic Gold Mine. Min. & Sci. Press, vol. 43, p. 437. 4½ columns. I.

The Sweepstake Placer Mine, Trinity County, California. Min. & Sci. Press, vol. 82, p. 292. 1 column.

A Trinity County, California, Hydraulic Enterprise: Flumes, Pipe, Construction, etc. Min. & Sci. Press, vol. 76, p. 204. 3⅓ columns. I.

Hydraulic Mining in California. Min. & Sci. Press, vol. 78, p. 313. 3 columns. I.

Hydraulic Mining in North California. Min. & Sci. Press, vol. 78, p. 505. 1 column. I.

Gravel Mining in Calaveras County, California. By M. P. Boag. Min. & Sci. Press, vol. 89, p. 339. ¾ column.

Exploiting the Pliocene Rivers. Min. & Sci. Press, vol. 36, p. 280. ⅞ column.

Drift Mining in Placer County. Min. & Sci. Press, vol. 36, p. 296. 1⅓ columns.

Hydraulic Mining in Calaveras County. Min. & Sci. Press, vol. 27, p. 246. 1 column.

Size and Regulations for Mining and Dredging Claims in the Atlin District, British Columbia. E. & M. J., vol. 77, p. 523.

Gold Dredging: A Departure in the Methods of Obtaining Gold from Placer Deposits with a Limited Water Supply. By J. M. Sweeney. M. & M., vol. 19, p. 536, 6 columns, I.; vol. 20, p. 341, 3¼ columns, I.

A New Method of Placer Mining for Gold: A Device for Excavating and Handling Large Quantities of Material. By F. B. Knight. M. & M., vol. 18, p. 385. 6½ columns. I.

Dredging for Gold. By C. C. Longridge. Engineering, London, vol. 67, p. 535, 2½ columns; p. 642, 4 columns; vol. 68, p. 34, 4½ columns; p. 192, 2½ columns.

Dredging for Gold: Facts in Regard to the Operation of Dredges on Placers at Various Places in the West. By W. S. Russell. M. & M., vol. 21, p. 196. 4 columns. I.

Gold Dredging under Difficult Conditions. By F. W. Taylor. E. & M. J., vol. 77, p. 476, 5 columns, I.; p. 82, 5 columns.

Gold Dredging: Number of Dredges Working at Various Places. E. & M. J., vol. 78, p. 170. 1 column.

Sluices and Riffles in Dredging. By D. H. Stovall. Min. & Sci. Press, vol. 94, p. 575. 2⅓ columns. I.

Gold Saving on Dredges. By J. P. Smith. E. & M. J., vol. 77, p. 198. 2 columns. I.

Blasting Tight Placers before Dredging. E. & M. J., vol. 78, p. 9. 2½ columns.

A Gold Dredger for Heavy Work. E. & M. J., vol. 77, p. 525. 1½ columns. I.

A Few Notes upon Gold Dredging. By F. S. Clarke. J. C. M. I., vol. 5, p. 87. 10 pages. I.

Gold-Dredging. By W. D. Verschayle. T. I. M. E., vol. 21, p. 372. 7 pages. I.

Gold Dredges in California. E. & M. J., vol. 77, p. 834. 1⅓ columns.

Gold Dredging. By R. H. Postlethwaite. M. & M., vol. 20, p. 341. 3⅓ columns. I.

Dredging for Gold. Min. & Sci. Press, vol. 65, p. 155. 2¼ columns. I.

Dredging for Gold. Min. & Sci. Press, vol. 55, p. 193. 2½ columns. I.

Dredging for Gold in Rivers. Min. & Sci. Press, vol. 55, p. 225. 3 columns. I.

A Tailing Stacker for Hydraulic Mines. Min. & Sci. Press, vol. 90, p. 133. ½ column. I.

How to Make Gold Dredging Pay. Min. & Sci. Press, vol. 81, p. 464. 3 columns.

Notes on Dredging for Gold. By J. W. Gray. Min. & Sci. Press, vol. 75, p. 456. 2½ columns.

An Aid to Gold Dredging. Min. & Sci. Press, vol. 82, p. 94. 1¾ columns. I.

Late Gold Dredging Practice. By R. L. Montague. Min. & Sci. Press, vol. 83, p. 183, 2½ columns; p. 194, 1½ columns, I.; p. 204, 1 column, I.; p. 216, 4 columns, I.; p. 228, 5 columns, I.; p. 242, 5 columns, I.; p. 260, 1⅔ columns.

Dredging for Gold. By F. Van Wagenen. Min. & Sci. Press, vol. 80, p. 94, 3 columns, I.; p. 120, 4 columns, I.

Some Notes on Gold Dredging. Min. & Sci. Press, vol. 80, p. 206. 1 column.

A Modern Dredging Plant. Min. & Sci. Press, vol. 80, p. 317. 1 column.

Testing Gold Placer Ground. Min. & Sci. Press, vol. 80, p. 374. ¾ column.

Dredging at Dayton. Min. & Sci. Press, vol. 70, p. 97, 3 columns, I.; p. 103, 1½ columns; p. 177, ¼ column, I.

Gold Dredging. By G. L. Holmes. Cal. Miners' Assoc. Annl., 1906, p. 101. 14 pages.

Placer Mining in the Klondike. By J. B. Tyrrell. E. & M. J., vol. 83, p. 413. 15⅔ columns. I.

Hydraulic Mining in Cariboo, British Columbia. Min. & Sci. Press, vol. 88, p. 129, 1½ columns, I.; p. 148, 1¾ columns.

Hydraulicking in the Yukon Region. By C. R. Settlemeier. Min. & Sci. Press, vol. 89, p. 342. 3½ columns.

Hydraulic Mining in Canada. Min. & Sci. Press, vol. 42, p. 136. ⅔ column.

Placer Mining Methods in the Atlin District: Mining and Blasting before Hydraulicking, British Columbia. By A. Carmichael. M. & M., vol. 27, p. 241. 5¼ columns. I.

A North Carolina Hydraulic Proposition. E. & M. J., vol. 67, p. 291. 2 columns. I.

Gold Washing in the South. By E. B. Wilson. E. & M. J., vol. 82, p. 933. 2½ columns. I.

Placer Mining in Colombia. By F. F. Sharpless. E. & M. J., vol. 82, p. 392. 9¾ columns. I.

Placer Mining in French Guiana. By Leon Delvaux. E. & M. J., vol. 83, p. 421. 10 columns. I.

Placer Mining in Southern Chile and Tierra del Fuego. E. & M. J., vol. 84, p. 202. 3 columns. I.

Hydraulic Gold Mining in Georgia. Min. & Sci. Press, vol. 39, p. 151. ¾ column.

Steam Shovel and Derrick Placer Mining in Idaho. By J. B. Hastings. E. & M. J., vol. 60, p. 589. 1 column. I.

The Bear Gulch Placers, Montana. By F. D. Smith. E. & M. J., vol. 68, p. 757. 1 column. I.

A Montana Placer Mining Plant. E. & M. J., vol. 67, p. 175. 1 column. I.

Hydraulic Gold Mining in Nevada. E. & M. J., vol. 45, p. 434. 1¾ columns.

Causes of Stoppages (in per Cent) of Dredges. E. & M. J., vol. 79, p. 895. 3 columns.

A Gold-Mining Dredge of Recent Design. By S. S. Uyer. E. & M. J., vol. 77, p. 925. 8 columns. I.

Gold Dredging. By J. H. Curle. Min. & Sci. Press, vol. 92, p. 52. 2 columns.

Gold-Dredging. By C. W. Purington. Min. & Sci. Press, vol. 93, p. 107. 3½ columns.

Gold Dredging. Min. & Sci. Press, vol. 94, p. 531. 3 columns. I.

Gold Dredging in 1906. By J. P. Hutchins. E. & M. J., vol. 83, p. 21. 6 columns.

Dredging Placer Gravels. By A. Lakes. M. & M., vol. 28, p. 577. 10½ columns. I.

Handling Plastic Materials in Placer Work by Dredge. M. & M., Dec., 1904, p. 270.

A New Method of Dredging, Applicable to Some Kinds of Mining Operations. By R. W. Raymond. T. A. I. M. E., vol. 8, p. 254.

Dredging for Coal: A Description of the Method of Mining in the Mission Field, Illustrated by the Use of the Steam Shovel Cableway. M. & M., Aug., 1901, p. 5. 3 columns.

Dredging for Tin. Tin Deposits of the World, p. 199. 8 pages. I.

Dredging for Gold in Southern River Beds. E. & M. J., vol. 63, p. 211. 1 column. I.

Dredging Bars. Min. & Sci. Press, vol. 63, p. 345. 2 columns.

River Dredging for Gold. By R. H. Postlethwaite. Min. & Sci. Press, vol. 75, p. 216. 3¾ columns. I.

Gold Dredging in the Nome District. By G. P. Grimsley. E. & M. J., vol. 71, p. 785. 2 columns. I.

Gold Mining in the Sea Bottom, Nome, Alaska. Min. & Sci. Press, vol. 83, p. 51. 1½ columns. I.

Gold Dredging in the Klondike and Alaska (1906). M. & M., vol. 27, p. 182. 1 column.

Dredging Beach Gravel Deposits Near Nome. By J. P. Hutchins. E. & M. J., vol. 84, p. 955. 14 columns. I.

Dredging at Otago. T. A. I. M. E., vol. 21, p. 463.

Gold Dredging in New Zealand. E. & M. J., vol. 68, p. 185. 1 column. I.

Gold Dredging in New Zealand. E. & M. J., vol. 66, p. 637. 2½ columns. I.

Gold-Dredging in Otago, New Zealand. By F. W. Payne. T. I. M. E., vol. 23, p. 532. 11 pages. I.

Gold Dredges in Siberia. By A. Foniakoff. E. & M. J., vol. 77, p. 917. 1 column.

Dredging for Gold in New Zealand. By R. Payne. E. & M. J., vol. 72, p. 398. 3¼ columns. I.

Gold Dredging in New Zealand. By A. C. Perkins. M. & M., vol. 21, p. 350. 3¼ columns.

Gold Dredging, 1905. E. & M. J., vol. 81, p. 122. 7 columns.

Gold Dredging in Australia. E. & M. J., vol. 66, p. 155. 1 column.

Gold Dredging in Victoria. E. & M. J., vol. 76, p. 845. ¾ column.

Gold Dredging in Borneo. E. & M. J., vol. 69, p. 555. ½ column. I.

Gold Dredging in British Columbia: A Description of the Dredging Plants and Methods of Operation Used on the Fraser River. By R. L. Watson. M. & M., vol. 21, p. 9. 3½ columns.

Gold-Dredging in California: Interior Work. Min. Mag., Jan., 1905, p. 10.

Gold Dredging Operations in California. By G. P. Grimsley. E. & M. J., vol. 71, p. 823. 3 columns. I.

Gold Dredging in California. By T. J. Barbour. E. & M. J., vol. 71, p. 119. 4 columns.

Gold Dredging and Prospecting. By R. H. Postlethwaite. Min. Mag., Jan., 1905, p. 5. 20 columns. I.

Gold Dredging: Present Practice. By R. H. Postlethwaite. M. & M., May, 1903, p. 461.

Gold Dredging: Things which Should be Considered in Installing a Plant; Some of the Difficulties and How They may be Met. By T. C. Nettleton. M. & M., Apr., 1901, p. 418. 3 columns.

Gold Dredging. E. & M. J., vol. 67, p. 199. ¾ column.

Dredging for Gold. By R. N. Bell. M. & M., vol. 19, p. 380. 1⅞ columns.

Dredging at Oroville. By L. J. Hohl. E. & M. J., vol. 78, p. 909, 6½ columns, I.; vol. 79, p. 895, 3 columns.

Gold Dredging in California. Min. & Sci. Press, vol. 79, p. 36. 2 columns. I.

Gold Dredging at Oroville, California. Min. & Sci. Press, vol. 81, p. 5. 1 column. I.

A California Gold Dredger. By R. H. Postlethwaite. Min. & Sci. Press, vol. 81, p. 582. 2¼ columns. I.

Suggestions on Inland Gold Dredging. By A. C. Eteson. Min. & Sci. Press, vol. 81, p. 597, 2½ columns, I.; vol. 82, p. 36, 2½ columns, I.

Notes on Gold Dredging (in California). By R. H. Postlethwaite. T. A. I. M. E., special volume California Mines & Minerals, p. 88. 9 pages. I.

Gold Dredging in Oroville District California. By L. J. Hohl. Min. & Sci. Press, vol. 90, p. 232, 6 columns; p. 252, 1¾ columns; p. 265, 4½ columns, I.

A Large Gold Dredger. Min. & Sci. Press, vol. 90, p. 282. 6⅔ columns. I.

Gold Dredging in California. Min. & Sci. Press, vol. 91, p. 125, 4½ columns, I.; p. 141, 3 columns, I.; p. 160, 4½ columns, I.; p. 178, 5 columns, I.

Gold Dredging at Breckenridge, Colorado. By J. W. Neill. Min. & Sci. Press, vol. 93, p. 288. 4 columns. I.

Gold Dredging in Colombia. By J. P. Hutchins. E. & M. J., vol. 80, p. 1010. 8½ columns. Map.

Gold Dredging in Montana. E. & M. J., vol. 77, p. 846. 1 column. I.

Dredging for Fine Gold in Idaho. By R. Bell. E. & M. J., vol. 73, p. 241. 4 columns. I.

Dredging and Mining in Boise Basin, Idaho. Min. & Sci. Press, vol. 79, p. 149. 2 columns. I.

Gold Dredging in Montana. By E. B. Braden. E. & M. J., vol. 64, p. 605. 5¼ columns. I.

Gold-Dredging Practice at Ruby, Montana. By J. P. Hutchins. E. & M. J., vol. 83, p. 1223, 7¾ columns, I.; vol. 84, p. 69, 11 columns, I.

Dredge-Work in the Siberian Placers. By E. D. Levat. E. & M. J., vol. 63, p. 541. 1 column. I.

Gold Dredging in the Urals. By W. H. Shockley. Min. & Sci. Press, vol. 93, p. 228. 2½ columns.

Gold-Dredging in the Urals, with Notes on Dredging in Siberia. By W. H. Shockley. T. A. I. M. E., vol. 37, p. 322. 9 pages. I.

Gold Mining in French Guiana: Dredging. Min. & Sci. Press, vol. 33, p. 270. ¾ column.

Gold Dredging in Venezuela. By F. Owen. E. & M. J., vol. 67, p. 529. 1 column. I.

Peasants' Dredge-Boat on the Tura River. T. A. I. M. E., vol. 29, p. 13.

A Roller Gold Dredge for Work at Nome. E. & M. J., vol. 69, p. 623. ½ column. I.

The Sweeney Placer Working Machine. E. & M. J., vol. 65, p. 374. 2 columns. I.

Recent Gold Dredges. E. & M. J., vol. 66, p. 729. 2½ columns.

A New Form of Dredge for River Bed Placers. By J. M. Sweeney. E. & M. J., vol. 64, p. 755. 2⅔ columns. I.

The Gould System of Excavation. E. & M. J., vol. 57, p. 436. 1½ columns. I.

Dredging Machines: Construction, Capacity, and Cost of Operating Dredging Machines. By John Bogart. Engineering, London, vol. 74, p. 290. 5½ columns. I.

The Bates Hydraulic Dredger. Engineering, London, vol. 71, p. 43. 3 columns. I.

Sand Pump Dredges. By A. G. Lyster. Engineering, London, vol. 67, p. 789. 2 columns. I.

The Stewart River Gold Dredge. By A. W. Robinson. J. C. M. I., vol. 6, p. 214. 10 pages. I.

Prospecting Gold Dredge with Steel Hull. E. & M. J., vol. 76, p. 703. 3½ columns. I.

Improvements in Gold Dredges. E. & M. J., vol. 80, p. 246. 1½ columns.

New Zealand Gold Dredges. E. & M. J., vol. 81, p. 706. 6 columns. I.

Hydraulic Dredging. By F. D. Powers. E. & M. J., vol. 81, p. 759. 8½ columns. I.

Roberts' Silt-Elevator for Dredges. E. & M. J., vol. 81, p. 556. 1 column. I.

Mining Dredges in Victoria, Australia: Plow and Suction. Min. & Sci. Press, vol. 63, p. 317. 3 columns. I.

A Klamath River Dredger. Min. & Sci. Press, vol. 74, p. 523. 1 column. I.

Data Regarding Gold Dredgers and Dredging: Capacity of Buckets, Cost of Dredger, etc., Speed of Travel of Buckets. Cal. Miners' Assoc. Annl., 1906, pp. 109, 110, 111. 1 page.

Sectional Dredging Machine. Min. & Sci. Press, vol. 92, p. 102. 1 column.

A New Gold Dredge. By G. L. Hulst. Min. & Sci. Press, vol. 92, p. 58. 3½ columns.

Sectional Gold Dredges. Min. & Sci. Press, vol. 93, p. 596. 1½ columns.

Repairing a Gold Dredge with Thermit. Min. & Sci. Press, vol. 93, p. 179. 1 column.

The Robinson Gold Dredge. E. & M. J., vol. 82, p. 202. 3½ columns. I.

The Hydraulic Dredger "J. Israel Tarte." By A. W. Robinson. Engineering, London, vol. 78, p. 554. 11½ columns. I.

Pump vs. Bucket Dredges. T. A. I. M. E., vol. 28, pp. 84 and 85.

The Suction Pump Dredge for Natal Government. Engineering, London, vol. 64, p. 229. 1 column. I.

Combined Bucket and Suction Dredger for Montevideo. By A. F. Smulders. Engineering, London, vol. 75, p. 449. 1½ columns. I.

An Improved Dipper Dredge. By F. F. Coleman. E. & M. J., vol. 80, p. 974. 3 columns. I.

Jeffrey Grab Buckets. M. & M., Aug., 1903, p. 25.

Electrical Gold Dredges. By R. L. Montague. E. & M. J., vol. 76, p. 512. 3 columns.

Electric Motors for a Dredging Plant. E. & M. J., vol. 68, p. 669. 1½ columns. I.

Dredging for Gold by Electric Power. E. & M. J., vol. 63, p. 259. ½ column. I.

Electricity in Gold Dredging. Min. & Sci. Press, vol. 94, p. 159. 2¾ columns.

Mining Debris: Damages and Litigation

California Debris Records: Destruction of, etc. E. & M. J., vol. 81, p. 1051. ¾ column.

Restraining Barriers in Yuba River, California. Min. & Sci. Press, vol. 85, p. 89. 8 columns. I.

River Protection and Hydraulic Mining. Min. & Sci. Press, vol. 67, p. 291, 3 columns; p. 354, 3½ columns.

Damages from Hydraulic Mining. Min. & Sci. Press, vol. 32, p. 22, ½ column.

The Mining Debris Question. Min. & Sci. Press, vol. 32, p. 24, ⅞ column; p. 34, 1½ columns; p. 40, 1½ columns; p. 98, ⅔ column; p. 169, 2 columns; p. 184, ⅞ column; p. 185, 1½ columns.

Dissenting Opinion in the Debris Case. Min. & Sci. Press, vol. 43, p. 254. 1¼ columns.

The Debris Committee. Min. & Sci. Press, vol. 43, p. 321. 4 columns.

A Debris Compromise. Min. & Sci. Press, vol. 43, p. 412. 2¼ columns.

The Hydraulic Mining Question. Min. & Sci. Press, vol. 43, p. 442. 2¾ columns.

Damages from Mining Operations. Min. & Sci. Press, vol. 42, p. 264. 1 column.

An Injunction Against Hydraulic Mining. Min. & Sci. Press, vol. 42, p. 374. 3¾ columns.

The Impounding of Debris. Min. & Sci. Press, vol. 43, p. 76. 2 columns.

The Loss to the Farmer through Debris. Min. & Sci. Press, vol. 74, p. 71. ¾ column.

Debris Dams. Min. & Sci. Press, vol. 69, p. 321. 1 column. I.

The Debris Commission. Min. & Sci. Press, vol. 69, p. 337, 1½ columns; p. 354, 1½ columns; vol. 70, p. 98, 1¾ columns.

Responsibility for the Debris. Min. & Sci. Press, vol. 74, p. 28. 2⅓ columns.

Loss to California Due to Closure of the Hydraulic Mines. Min. & Sci. Press, vol. 74, p. 48. 2 columns.

The Mining Detritus Question. Min. & Sci. Press, vol. 32, p. 200. 1⅔ columns.

The Tailings Case. Min. & Sci. Press, vol. 34, p. 72. 1½ columns.

The Mining Debris Decision. Min. & Sci. Press, vol. 34, p. 76. 1½ columns.

Farmers vs. Miners. Min. & Sci. Press, vol. 34, p. 140. ½ column.

The Debris Question. Min. & Sci. Press, vol. 40, p. 182. 6½ columns.

Captain Eads on Debris. Min. & Sci. Press, vol. 41, p. 328. ⅞ column.

Mining Debris. Min. & Sci. Press, vol. 42, p. 54. 4 columns.

Debris Misrepresentation. Min. & Sci. Press, vol. 42, p. 146. ⅞ column.

Impounding Mining Debris. Min. & Sci. Press, vol. 54, p. 107. ⅞ column.

Mining Debris: Possibility of Impounding It. Min. & Sci. Press, vol. 56, p. 426. 2¾ columns.

Dams for Mining Debris. Min. & Sci. Press, vol. 57, p. 22. 1 column+.

Debris Dams. Min. & Sci. Press, vol. 57, p. 38. 1 column.

The Debris Question in California. Min. & Sci. Press, vol. 91, p. 377. 2¼ columns.

Control of Hydraulic Mining Debris in California by the Federal Government. Min. & Sci. Press, vol. 91, p. 152. 9⅔ columns. I.

Control of Hydraulic Mining. E. & M. J., vol. 81, p. 1085, 11 columns, I.; p. 1045, 11 columns, I.

Disposition of Debris: An Experiment. Min. & Sci. Press, vol. 63, p. 197.

Tailing Disposal by Gold Dredges. By J. P. Hutchins. E. & M. J., vol. 81, p. 219. 12 columns. I.

Discharge of Refuse into Streams and Harbors. E. & M. J., vol. 58, p. 505. ½ column.

Mining Debris in California Rivers, E. & M. J., vol. 34, p. 42. 1½ columns.

Tailings vs. Agriculture. E. & M. J., vol. 27, p. 233. 1⅓ columns.

The Mining Debris Question. E. & M. J., vol. 27, p. 238. 2 columns.

The Debris Question. E. & M. J., vol. 44, p. 200. 2½ columns.

The Debris Question in California. E. & M. J., vol. 77, p. 109. 1¼ columns.

The Debris Controversy Boiled Down. E. & M. J., vol. 36, p. 210. 1 column.

Debris, Facts Pertaining to. E. & M. J., vol. 78, pp. 588, 589, 590.

Mining Debris: Full Text of Decision. Min. & Sci. Press, vol. 46, p. 457, 25½ columns; vol. 47, p. 201, 1½ columns.

The Debris Decision. Min. & Sci. Press, vol. 48, pp. 24, 25, 28. 1½ columns.

Mining Debris Restraining Works. Cal. Miners' Assoc. Annl., 1906, p. 119. 8 pages.

The Debris Problem. Min. & Sci. Press, vol. 92, p. 88. 2¾ columns.

The Debris Question. Min. & Sci. Press, vol. 44, p. 396. 11¼ columns.

The Hydraulic Mining Question. Min. & Sci. Press, vol. 44, p. 410. 2½ columns.

The Debris Decision. Min. & Sci. Press, vol. 45, p. 8. 1¾ columns.

The Supreme Court and Mining Debris. Min. & Sci. Press, vol. 39, p. 329. 2 columns.

The Debris Question, or Cleaning the Rivers for Gold. Min. & Sci. Press, vol. 39, p. 338. 2¼ columns.

The State Engineer and the Debris Question. Min. & Sci. Press, vol. 40, p. 74. 1½ columns.

The Debris Question. Min. & Sci. Press, vol. 40, p. 82. 1 column.

The Debris Case: Injunction Granted against the Miners. Min. & Sci. Press, vol. 38, p. 168. 2 columns.

The Mining Debris Question. Min. & Sci. Press, vol. 38, p. 182. 3¾ columns.

Hydraulic Tailings. Min. & Sci. Press, vol. 39, p. 89. 2½ columns.

New View of the Debris Question. Min. & Sci. Press, vol. 39, p. 300. ⅞ column.

Final Decree in the Debris Suit. Min. & Sci. Press, vol. 48, p. 93. 1 column.

Hydraulic Mining: A Plea. Min. & Sci. Press, vol. 62, p. 386. 1½ columns.

Will no Longer Contest Issue on Old Lines. Min. & Sci. Press, vol. 62, p. 268. 1¾ columns.

The Miners' Side of the Debris Question. Min. & Sci. Press, vol. 52, p. 46. 1¾ columns.

A Commission to Investigate the Debris Question. Min. & Sci. Press, vol. 57, p. 140. 1¼ columns.

The Government Commission and Debris. Min. & Sci. Press, vol. 62, p. 137. 1 column.

Debris Dam Legal at Last. Min. & Sci. Press, vol. 65, p. 234. 1 column.

Position of the Large Hydraulic Mining Companies. Min. & Sci. Press, vol. 66, p. 18. 1 column.

Restraining the Debris in the Rivers. Min. & Sci. Press, vol. 66, p. 33. 1 column.

Mining Debris. Min. & Sci. Press, vol. 36, p. 88. 5 columns.

The Mining Debris Question. Min. & Sci. Press, vol. 36, p. 200. ⅞ column.

Moving the Mining Debris in the Slate Creek Basin. Min. & Sci. Press, vol. 36, p. 360. 11 columns.

The Mining Debris Trial. Min. & Sci. Press, vol. 37, pp. 72, 81, 97. 4½ columns.

Another Tailings Case. Min. & Sci. Press, vol. 89, p. 2. ⅔ column.

The California Debris Act. E. & M. J., vol. 79, p. 907, 1 column; vol. 80, p. 449, 1¼ columns.

The Status of the Debris Question in California. E. & M. J., vol. 48, p. 219. 1 column.

Mining Debris Legislation. By C. G. Yale. T. A. I. M. E., special volume California Mines & Minerals, p. 255. 9 pages. I.

Room and Pillar Mining

Double Room Working. By J. Cain. M. & M., vol. 18, p. 222. 1⅔ columns. I.

Method of Coal Mining: Advancing Rooms and Retreating Robbing Pillars. M. & M., vol. 28, p. 498. ½ column. I.

Stall Working: Double and Single. Coll. Working & Management, p. 222. 14 pages. I.

Working Two Seams near Together. Coll. Working & Management, p. 238. 4 pages. I.

Conditions Favorable to Room and Pillar Mining. Coll. Working & Management, p. 138. Note.

Working by Bord and Pillar or Room and Pillar. Coll. Working & Management, p. 150. 24 pages. I.

A Single-Room System. By H. S. Gay. M. & M., vol. 27, p. 325. 6 columns. I.

The Working of Contiguous, or Nearly Contiguous, Seams of Coal. By J. Hogg and Thomas Moodie. T. I. M. E., vol. 23, p. 280. I.; T. Arnott. T. I. M. E., vol. 23, p. 288. 2 pages. I.

Working Twin Seams of Coal. By W. S. Gresley. E. & M. J., vol. 69, pp. 559, 589, 621. I.

Lift and Dip Mining in the Western Interior Coal Field. M. & M., vol. 27, p. 91. 1 column. I.

Across the Pitch vs. Up the Pitch. By O. E. S. Whiteside. J. C. M. I., vol. 2, p. 17, 3 pages; vol. 4, p. 126, 4 pages.

Across the Pitch vs. Up the Pitch. By O. E. S. Whiteside. E. & M. J., vol. 71, p. 646. 1 column.

Bench Mining of Coal. M. & M., Oct., 1904, p. 118.

Mining on the Bench: Method of Working Adapted to Peculiar Conditions in the Clinch Valley Field of Southwestern Virginia. By C. C. Jones. M. & M., Dec., 1902, p. 215. 2 columns.

Bench-Mining of Coal. T. A. I. M. E., vol. 1, p. 178.

Single- and Double-Stall Working. P. C. M., vol. 2, p. 317. 7 pages. I.

Bord-and-Pillar Working. P. C. M., vol. 2, p. 304. 7 pages. I.

A New Method of Coal Mining in Pennsylvania Used in the Pittsburg Seam. By C. Dixson. M. & M., vol. 27, p. 32. 8 columns. I.

Room-and-Pillars Systems Used in the Western Interior Coal Fields. M. & M., vol. 27, pp. 26 and 27. 1 column.

Old and New Methods of Coal Mining: Room-and-Pillar. Min. & Sci. Press, vol. 49, p. 373. ¾ column. I.

The Principles and Practice of Coal Mining on the Pillar System. By W. S. Gresley. Coll. Engr., vol. 11, p. 169, 7¾ columns, I.; p. 193, 9 columns, I.; p. 219, 5 columns, I.; p. 247, 6 columns, I.; p. 272, 5 columns, I.; vol. 12, p. 4, 2½ columns, I.; p. 27, 2 columns, I.; p. 52, 3 columns, I.; p. 76, 2½ columns, I.

Method of Mining Vertical Seam at Frank, Alberta, Canada. M. & M., Feb., 1905, p. 359.

Method of Working Low Veins of Coal in the Anthracite and Bituminous Coal Fields. M. & M., Jan., 1905, p. 295. ½ column.

Coal Mining at Louisiana Purchase Exposition. M. & M., Sept., 1904, p. 81. 7 columns. I.

Anthracite Mining Methods. By H. M. Chance. 2d Geol. Survey Pa., A.C., p. 129. 15 pages. I.

MINING AND VENTILATING ANTHRACITE MINES WITH INCREASING DEPTHS. By H. O. Prytherch. M. & M., vol. 19, p. 513. 3½ columns.

MINING ANTHRACITE: Suggestions for Improved Method of Taking Out All the Coal on Heavy Pitches. M. & M., vol. 19, p. 266. 1⅓ columns. I.

A SUCCESSFUL EXPERIMENT IN ANTHRACITE MINING: A Method of Obtaining 90 per Cent of the Coal in Pitching Veins. By W. Tate. M. & M., vol. 18, p. 337, 3 columns; p. 410, 3 columns, I.

ANTHRACITE MINING: Improvements Proposed by Mr. G. A. Williams, Inspector 4th Anthracite District. Coll. Engr. & Met. Miner, vol. 17, p. 438. 2⅓ columns.

ANTHRACITE MINING AT THE SOUTH WILKES-BARRE COLLIERY. By W. W. Jones. Coll. Engr. & Met. Miner, vol. 16, p. 171. 17 columns. I.

BATTERY-BREAST CONSTRUCTION FOR STEEP SEAMS. E. & M. J., vol. 84, p. 317. Note.

METHODS OF OPENING AND WORKING BREASTS. By H. M. Chance. 2d Geol. Survey Pa., AC, p. 145. 24 pages. I.

"BUGGY" BREAST WORKINGS: A New System as Developed and Used by the Delaware and Hudson Canal Company. M. & M., vol. 19, p. 469. 2 columns. I.

PILLAR-WORKINGS IN THE BENGAL COALFIELDS, INDIA. T. I. M. E., vol. 28, p. 540. 8 pages. I.

THE WINNING AND WORKING OF COAL MINES IN NORTH STAFFORDSHIRE. By J. Worgan. T. N. S. I. M. & M. E., vol. 7, p. 58. 10 pages. I.

MINING IN NORTH STAFFORDSHIRE. T. N. S. I. M. & M. E., vol. 7, p. 80. 10 pages.

METHOD OF MINING NATIONAL MINING COMPANY'S MINES, PITTSBURG SEAM. E. & M. J., vol. 81, p. 459. 3 columns. Map.

PLAN OF ROOM AND PILLAR WORK, LIESENRING NO. 3 COLLIERY. Coll. Engr., vol. 10, p. 173. I.

IOWA COAL-MINING METHODS. By J. T. Beard. M. & M., vol. 21, p. 126. 2½ columns. I.

NOTES ON REARER WORKINGS, NORTH STAFFORDSHIRE: Mode of Working in Steep Pitching Seams. By J. Cadman. T. F. I. M. E., vol. 14, p. 392. 3 pages. I.

THE OPENING OUT AND WORKING OF THE REARER COALS OF NORTH STAFFORDSHIRE. By E. Craig. T. F. I. M. E., vol. 4, p. 48. 5 pages.

METHOD OF MINING AT THE COAL CREEK COLLIERY, CROW'S NEST PASS. J. C. M. I., vol. 4. p. 157. I.

METHODS OF MINING IN THE CONNELLSVILLE REGION, PENNSYLVANIA. M. & M., vol. 26, pp. 381, 382. I.

MINING IN THE CONNELLSVILLE REGION. M. & M., Jan., 1903, p. 264. 1 column.

COAL-MINING IN THE CONNELLSVILLE COKE REGION OF PENNSYLVANIA. By J. Fulton. T. A. I. M. E., vol. 13, p. 330.

THE KAIPING COAL MINE, NORTH CHINA: A Report of Kworg Yung Kwang, Engineer at the Mine. By J. M. Silliman. T. A. I. M. E., vol. 16, p. 95.

METHODS OF MINING LIGNITE IN NORTH DAKOTA. By F. A. Wilder. Min. Mag., Jan., 1905, p. 72. 2 columns.

LIGNITE MINING IN BOHEMIA. Min. Mag., Jan., 1905, p. 73. 1 column.

METHOD OF WORKING RITCHIE GRAHAMITE MINE. T. A. I. M. E., vol. 24, p. 197.

IRON MINING IN THE BIRMINGHAM DISTRICT, ALABAMA. By W. R. Crane. E. & M. J., Feb. 9, 1905, p. 274. 12 columns. I.

THE BIWABIK MINE. By H. V. Winchell and J. T. Jones. T. A. I. M. E., vol. 21, p. 951.

MINING BROWN HEMATITE ORES. By W. R. Crane. M. & M., Apr., 1905, p. 417. 7½ columns. I.

THE FAYAL IRON MINE ON THE MESABI RANGE. By F. W. Denton. E. & M. J., vol. 64, p. 275. 3¼ columns. I.

METHODS OF MINING IN THE CHAPIN MINE. T. A. I. M. E., vol. 16, p.120.

METHODS OF MINING AT THE BADGER IRON MINES, COMMONWEALTH, WISCONSIN. By O. C. Davidson. E. & M. J., vol. 69, p. 291. 1 column.

METHODS OF MINING IN THE MENOMINEE RANGE, MICHIGAN. By J. Fulton. T. A. I. M. E., vol. 16, p. 891.

THE CHAPIN IRON-MINE, LAKE SUPERIOR. By Per Larsson. T. A. I. M. E., vol. 16, p. 119.

METHOD OF WORKING THE RED ORE (Iron) OF ALABAMA. E. & M. J., vol. 54, p. 318. I.

THE MASS COPPER OF LAKE SUPERIOR MINES AND THE METHOD OF MINING IT. By W. P. Blake. T. A. I. M. E., vol. 4, p. 110.

COPPER MINING ON LAKE SUPERIOR. By T. Egleston. T. A. I. M. E., vol. 6, p. 275.

UNDERGROUND WORKINGS AT UNION COPPER MINES, NORTH CAROLINA. E. & M. J., vol. 69, p. 168. I.

METHOD OF MINING IN THE COPPER QUEEN MINE. T. A. I. M. E., vol. 29, p. 519.

UNDERGROUND WORKINGS, DE BEERS MINES. Diamond Mines of South Africa, pp. 307–314.

METHOD OF MINING IN ALMADEN MINES. Min. & Sci. Press, vol. 37, p. 313, 3 columns; p. 326, 2 columns.

SHALE MINE AT LA HARPE, KANSAS: An Instance of Underground Mining for Brickmaking Materials. By W. R. Crane. M. & M., Dec., 1902, p. 217. 4 columns.

ROCK SALT MINING: Description of the Deposit and the Methods Employed at the Plant of the Royal Salt Company at Kanopolis, Kansas. By W. R. Crane. M. & M., Sept., 1904, p. 67. 5 columns. I.

THE ADELAIDE ROCK-SALT MINE. T. F. I. M. E., vol. 3, p. 373. 4 pages.

THE SYSTEM OF WORKING IN SALT MINES. Min. & Sci. Press, vol. 45, p. 34. 1½ columns.

METHOD OF MINING EMPLOYED IN THE BERTHA ZINC MINES, VIRGINIA. T. A. I. M. E., vol. 22, pp. 523, 524, 529.

MINING THE AUSTRALIAN DEEP LEADS. By W. Lindgren. Min. Mag., Feb., 1905, p. 139. 10 columns. I.

DEEP ALLUVIAL DEPOSITS AND MINING: Some Practical Hints and Descriptions of Methods which have been Employed in the Mines of New South Wales, Australia. By D. H. Browne. M. & M., Jan., 1904. p. 274.

SYSTEM OF MINING ON THE GEM LODE, IDAHO SPRINGS: Room and Pillar, Blocking out Ore and Leasing Blocks. M. & M., vol. 27, p. 73. ⅓ column. I.

Long-Wall Mining of Coal

CONDITIONS FAVORABLE TO LONGWALL WORKING. Coll. Working & Management, p. 138. Note.

LOCATION OF ROOF PRESSURE IN LONGWALL WORKING: The Conditions which Determine whether the System is Practicable or not. M. & M., vol. 19, p. 319, 2⅓ columns, I.; p. 350, 2 columns, I.

INFLUENCE OF THE ROOF IN LONGWALL WORKING. By J. T. Beard. E. & M. J., vol. 79, p. 899. 6 columns. I.

THE ACTION, INFLUENCE AND CONTROL OF THE ROOF IN LONGWALL WORKING. By H. W. G. Halbaum. T. I. M. E., vol. 27, p. 205. 24 pages. I.

THE ACTION, INFLUENCE AND CONTROL OF THE ROOF IN LONGWALL WORKING. By J. T. Beard. T. I. M. E., vol. 28, p. 341, 8 pages; vol. 29, p. 5, 6 pages, I.

Width of Room and Pillar: Discussion of the Possibility of Applying Formulas for Determining It. Data Showing Practice in Various Regions. M. & M., vol. 26, p. 107. 5 columns. I. Table.

A Modified Longwall System: Notes on the Method Employed at the Vintondale Mine of the Vinton Colliery Company. By C. R. Claghorn. M. & M., Aug., 1901, p. 16. 4½ columns.

Longwall vs. Chamber and Pillar for Anthracite Veins: Points to be Considered. E. & M. J., vol. 48, p. 380. 1 column.

A Modified Form of Longwall Working as Applied to Thin Seams of Moderate Inclination. By J. Hath. T. F. I. M. E., vol. 9, p. 226. 4 pages. I.

A Modified System of Long wall Working. E. & M. J., vol. 59, p. 464. ⅞ column.

Longwall Advancing Compared with Room and Pillar. By E. Jones. M. & M., vol. 19, p. 399. 2⅕ columns. I.

Modes of Working Longwall Retreating to Obtain a Profitable Percentage of the Disposable Coal. Coll. Engr. & Met. Miner, vol. 17, p. 369. 3⅔ columns. I.

Difficulties Experienced in Longwall Working. T. F. I. M. E., vol. 4, p. 25.

The Longwall Method of Working as Applied to Seams of Moderate Inclination in North Staffordshire. By E. B. Wain. T. F. I. M. E., vol. 4, p. 24, 10 pages; p. 514, 3 pages; p. 526, 5 pages.

Longwall Methods in the Eastwood District, Nottinghamshire. By N. M. Thornton. T. I. M. E., vol. 19, p. 125. 6 pages.

Methods of Mining Coal in Missouri. T. A. I. M. E., vol. 35, p. 912. 4 pages. I.

System of "Long Wall" Used in Northern Illinois Coal Mines. By G. S. Rice. Sch. Mines Quart., vol. 16, p. 344. 10 pages. I.

Long Wall Mining. By J. McNeil. Coll. Engr., vol. 8, p. 158, 2 columns, I.; p. 272, ¾ column.

The Principles and Practice of Longwall Mining. Coll. Engr., vol. 11, p. 1, 5 columns, I.; p. 30, 6 columns, I.; p. 49, 5 columns, I.; p. 73, 4⅓ columns, I.; p. 97, 7 columns, I.

Modified Longwall. By W. S. Gresley. Coll. Engr., vol. 10, p. 32, 11¾ columns, I.; p. 57, 2 columns; p. 82, 6 columns; p. 87, ⅓ column.

Anthracite Mining and the Longwall System. Coll. Engr., vol. 10, p. 137, 5⅔ columns, I.; p. 159, 1⅔ columns.

Method of Longwall Mining: 4-Feet of Coal, Wet Mine, Dip 7° to 10°. By F. W. Steber. Coll. Engr. & Met. Miner, vol. 14, p. 266. ⅔ column. I.

The Long-Wall System of Mining. By J. W. Harden. T. A. I. M. E., vol. 1, p. 300.

Notes on the Iron-Ores of Danville, Pennsylvania, with a Description of the Longwall Method of Mining Used in Working Them. By H. H. Stock. T. A. I. M. E., vol. 20, p. 369.

Longwall-Mining at Danville, Pennsylvania. T. A. I. M. E., vol. 20, p. 378.

Long-Wall Working in the Anthracite Coal Mines. E. & M. J., vol. 63, p. 350. ⅔ column.

Opening of a Long-Wall Mine. M. & M., May, 1903, p. 471.

Face of Long-Wall Workings: Conditions Regulating Direction of Driving. M. & M., May, 1903, p. 477.

Good Method of Longwall Working on Pitches of 1 : 10. M. & M., June, 1901, p. 518.

MINING ANTHRACITE BY LONGWALL. By W. S. Gresley. M. & M., vol. 27, p. 385. 4 columns. I.

EFFECTS OF ROOF PRESSURE IN LONGWALL WORKING. M. & M., vol. 27, p. 387. 5½ columns. I.

LONGWALL WORKINGS AT HULTON COLLIERY, ENGLAND. M. & M., vol. 27, p. 245. 1 column. I.

LONGWALL MINING IN STEPS. Annl. Min. Rept. N. S. Wales, 1901, p. 111. I.

LONGWALL WORKING: Forms of Face and Stall Roads. M. & M., vol. 26, p. 132. I.

METHOD OF WORKING LONGWALL WITH THE MILKLEY CONVEYOR. E. & M. J., vol. 81, p. 652. 2½ columns. I.

THE METHOD OF WORKING COAL AT WHITEFIELD COLLIERY: Longwall. By H. Wright. T. N. S. I. M. & M. E., vol. 8, p. 59. 8 pages. I.

METHOD OF SUPPORTING ROOF BACK OF LONGWALL FACE. T. N. S. I. M. & M. E., vol. 8, pl. 12; p. 178, 4 pages, I.

LONGWALL MINING OF COAL IN ENGLAND. Coll. Working & Management, p. 197. 28 pages. I.

PLAN OF LONGWALL WORKING WITH DIAGONAL STALL ROADS, MANNERS COLLIERY, DERBYSHIRE, ENGLAND. M. & M., vol. 26, p. 366.

"LONGWALL TO THE RISE" IN IRON STONE WORKING IN NORTH STAFFORDSHIRE. T. I. M. E., vol. 26, p. 114. 2 pages. I.

LONG-WALL WORKING. P. C. M., vol. 2, p. 310. 7 pages. I.

A SINGLE-ROOM SYSTEM OF MINING: An Adaptation of the Longwall Method to Work in Thick Seams. By H. S. Gay. T. I. M. E., vol. 33, p. 558. 9 pages. I.

Panel Mining

THE PANEL RETREATING SYSTEM. By S. J. Jennings. M. & M., vol. 27, p. 532. 5½ columns. I.

PANEL WORKING. Coll. Working & Management, p. 159. 17 pages. I.

OLD METHOD OF WORKING PILLARS: Panel System. Coll. Working & Management, p. 174. 2¼ pages. I.

REMOVAL OF PILLARS AT DIFFERENT DEPTHS. Coll. Working & Management, p. 177. 20 pages. I.

HOW ANTHRACITE COAL IS MINED: Room and Breast and Panel Systems. 2d Geol. Survey Pa., Coal Waste A2, p. 5. 18 pages. I.

PLAN OF PANEL SYSTEM OF MINING ADOPTED BY THE SUPERIOR COAL COMPANY AT GILLESPIE, ILLINOIS. Min. Mag., vol. 13, p. 185. Map.

THE PANEL SYSTEM OF MINING COAL: When it should be Used. E. & M. J., vol. 81, p. 669. Note.

CHIEF ADVANTAGES OF PANEL SYSTEM. E. & M. J., vol. 81, p. 621. Note.

Drawing Pillars in Coal Mines

METHODS OF MINING AND WORKING PILLARS IN GEORGES CREEK REGION, MARYLAND. M. & M., vol. 26, pp. 6, 7.

RIB DRAWING WITH MACHINES: Proposed New Method of Mining Coal by the Use of Longwall Under-cutting Machines for Taking Out the Rib. By W. S. Gresley. M. & M., vol. 21, p. 82. 3½ columns. I.

PILLAR WORKING IN BENGAL, INDIA. By G. A. Stover. Min. Mag., Jan., 1905, p. 74. 1 column.

DRAWING PILLARS IN PITCHING SEAMS. M. & M., vol. 24, p. 189. 1 column. I.

CUSTOMARY TIME FOR REMOVING PILLARS. Coll. Working & Management, p. 9. 4½ pages. I.

PILLAR DRAWING: Removal of Pillars after Flushing with Culm. By J. B. Davis. M. & M., vol. 20, p. 289. 2⅔ columns. I.

DETAILS OF METHODS OF DRAWING PILLARS. M. & M., vol. 26, p. 380. I.

Drawing Pillars in Coal Mines. Min. & Sci. Press, vol. 49, p. 389. 2 columns. I.

Drawing or Robbing Pillars. M. & M., Apr., 1901, p. 426.

Rib Drawing in the Connellsville Coke Region, Pennsylvania. By G. S. Baton. M. & M., vol. 27, p. 561. 2¾ columns. I.

Removal of Pillars in a Brown Coal-Mine in Bohemia. T. I. M. E., vol. 31, p. 695. 3½ pages.

Breaking Down Coal at the Face

An Illinois "Solid-Shooting" Mine: The Virden Shaft. E. & M. J., vol. 62, p. 608. 1¼ columns. I.

Shooting off the Solid. E. & M. J., vol. 80, p. 72. 1½ columns.

Effects of Roof Pressures in Longwall Mining. M. & M., vol. 27, p. 387. 5½ columns. I.

Methods of Getting Coal: Blasting. T. N. S. I. M. & M. E., vol. 10, p. 51. 3 pages.

Methods of Working Breasts: Grades to which Wagon, Buggy and Chute Breasts are Applicable. Min. & Sci. Press, vol. 48, p. 301. ½ column.

Wedging Down Coal. Min. & Sci. Press, vol. 36, p. 19. ½ column.

Undercutting Coal Seams in the Anthracite Field. M. & M., vol. 24, p. 51. 1½ columns.

Working Free Coal. M. & M., Feb., 1902, p. 332.

Notes on Coal-Mining: Methods of Working; Coal-getting; Transit. By A. Noble and N. Nisbet. T. F. I. M. E., vol. 13, p. 141. 6 pages. I.

Mining Coal at the Face. By J. T. Beard. M. & M., vol. 20, p. 365. 6 columns. I.

Working Coal at the Face. Coll. Working & Management, p. 162. 5 pages. I.

Rooms and Entries: Dimensions, etc.

The Interval (Distance) between Levels. E. & M. J., vol. 79, p. 1145. 2 columns.

Table Showing Dimensions and Arrangement of Rooms, Entries, etc., in the Arkansas Coal Mines. E. & M. J., vol. 80, p. 776.

Data for Coal Mining: Size of Rooms, Entries, Character of Coal, Percentage Extraction, etc. M. & M., vol. 27, p. 92. Table.

Width of Room and Pillar. M. & M., vol. 26, p. 25. 1⅔ columns.

Lengths of Entries and the Widths of Rooms and Pillars. M. & M., vol. 19, p. 524. 1⅔ columns. I.

Reworking Abandoned Mines

Reopening Filled Ground (Spiling). By R. B. Brinsmade. E. & M. J., vol. 82, p. 347. 3 columns. I.

The Reopening of Hartley Colliery. By R. E. Ornsby. T. I. M. E., vol. 29, p. 657. 9 pages. I.

The Reworking of Old Mines. E. & M. J., vol. 80, p. 835. 1⅓ columns.

To Reopen the Lower Level of the Comstock. E. & M. J., vol. 51, p. 203. ⅔ column.

Reopening of the Great Espiritu Mine of Colombia, Nearly 200 Years Old. E. & M. J., vol. 61, p. 514. 1 column.

The Reopening of the Tilly Foster Iron-Mine. By F. H. McDowell. T. A. I. M. E., vol. 17, p. 758.

The Reopening of Wallsend Colliery. By H. Ayton. T. I. M. E., vol. 15, p. 87. 8 pages. I.

How an Abandoned Mine became a Paying One. By W. L. Libbey. T. F. C. M. I., vol. 1, p. 63. 4 pages. E. & M. J., vol. 79, p. 1252.

Reopening of the Burley Pit, Opedale Colliery, North Staffordshire, after the Explosion of March 27, 1878. By J. Strick. T. N. S. I. M. & M. E., vol. 6, p. 183. 8 pages. I.

Reopening of Pioche, Nevada, Mines. Min. & Sci. Press, vol. 83, p. 164. ¾ column.

The Reopening of the Comstock. By C. T. Rice. E. & M. J., vol. 82, p. 1155. 8 columns. I.

Modern Mining on the Comstock. E. & M. J., vol. 82, p. 1209. 7½ columns. I.

Waste in Mining

Waste in Mining. By S. J. Jennings. Min. & Sci. Press, vol. 93, p. 324. 3⅓ columns.

Waste Products of Placer Mining in California. Min. & Sci. Press, vol. 72, p. 396. 2 columns +.

The Old Ophir Dump. Min. & Sci. Press, vol. 41, p. 98. ⅓ column.

Wasted Gold: Dumps, etc. Min. & Sci. Press, vol. 39, p. 248. ⅞ column.

What is the Least Possible Waste in Working Coal? By J. Barrowman. T. I. M. E., vol. 23, p. 55. 14 pages.

Wastes in Mining and Metallurgy. By J. Douglas. E. & M. J., vol. 77, p. 718, 3 columns; p. 798, 2 columns.

Waste in Mining and Preparing Anthracite. 2nd. Geol. Survey Pa., A.C., p. 475. 18 pages.

Running Bullion Down Stream: Economy of Milling. Min. & Sci. Press, vol. 19, p. 169. 1¼ columns.

Losses of Gold in Hydraulic Mining. T. I. M. E., vol. 27, p. 143. 4½ pages.

Waste in Mining and Preparing Anthracite Coal. E. & M. J., vol. 36, p. 225, 1½ columns; vol. 55, p. 394, 1 column; p. 537, 2 columns; p. 557, 2 columns; p. 584, 2 columns.

The Waste of Anthracite and the Exhaustion of the Supply. E. & M. J., vol. 46, p. 233, ½ column; p. 278, 1 column; p. 345, 1 column; p. 367, 1½ columns; p. 433, 1 column.

Waste of Coal in Mining. E. & M. J., vol. 18, p. 195. ⅓ column.

The Waste of Anthracite. E. & M. J., vol. 32, p. 214, 1 column; p. 234, 3⅔ columns.

Anthracite Coal Waste. Coll. Engr., vol. 13, p. 287. 3⅓ columns.

The Waste in Mining and Preparing Anthracite Coal. Coll. Engr., vol. 13, p. 132. 3 columns.

Loss or Waste of Coal in Mining. E. & M. J., vol. 81, p. 236. Note.

Anthracite Waste: Reclaiming It. The Anth. Coal Industry, p. 212. Roberts. 16 pages.

Waste of Coal. Rept. Inspr. Mines Pa., 1879, p. 21. 2½ pages.

Waste in Breaking Anthracite Coal. 2d Geol. Survey Pa., Coal Waste, A2, p. 49. 80 pages.

Waste in Mining Anthracite Coal. 2d Geol. Survey Pa., Coal Waste, A2, p. 29. 20 pages.

Percentage of Coal Mined in Pennsylvania Anthracite Mines. 2d Geol. Survey Pa., Coal Waste, A2, pp. 32, 36, 37, 42, 44, 45. Notes.

Loss of Coal by Breakage in Loading into Storage Bins. E. & M. J., vol. 84, p. 645. Note.

Investigations of the Waste in Mining and Preparation of Coal. By E. W. Parker. E. & M. J., vol. 83, p. 1198. 4½ columns.

Waste of Coal in Mining. By S. M. Taylor. P. E. Soc. W. Pa., vol. 10, p. 172. 10½ pages.

Waste in Mining in Maryland. By T. Murphy. M. & M., vol. 27, p. 569. 1¾ columns.

Difficulties Encountered in Mining: High Temperatures, etc.; Increase of Temperature with Depth

Difficulties of Mining on the Comstock. Min. & Sci. Press, vol. 48, p. 258. ¾ column.

Difficulties of Mining on the Comstock: Swelling Ground, Water, Air, etc. Min. & Sci. Press, vol. 34, p. 146. ¾ column.

Boulders in Mines. Min. & Sci. Press, vol. 81, p. 438. ⅓ column.

Temperatures in Deep-Mines. T. I. M. E., vol. 31, p. 465. 2⅓ pages.

A Record of an Investigation of Earth Temperatures on the Witwatersrand Gold Fields, and Their Relation to Deep Level Mining in the Locality. By H. F. Marriott. T. I. M. & M., vol. 15, p. 405. 28½ pages.

Underground Temperatures in the Pas-de-Calais, France. T. I. M. E., vol. 32, p. 580. ¾ page.

Underground Temperatures, Especially in Coal Mines. P. C. M. & M. Soc. S. A., vol. 5, p. 350. 1 column.

Underground Temperatures, Especially in Coal Mines. By H. Hoefer. T. I. M. E., vol. 27, p. 351. 22 pages. I.

Underground Temperatures. T. I. M. E., vol. 27, pp. 592, 593. 4 pages.

Temperatures at Points in Deep Quartz Mine, Bendigo, Australia. E. & M. J., vol. 78, p. 618. Note.

Underground Temperatures. By F. G. Meachem. E. & M. J., Feb. 23, 1905, p. 368. 3 columns.

Heat Underground. Min. & Sci. Press, vol. 35, p. 88. ⅓ column.

Temperatures from Deep Well in Germany. By F. J. H. Merrill. E. & M. J., vol. 81, p. 278. 1 column.

Underground Temperatures. E. & M. J., vol. 81, p. 423. ¼ column.

Temperatures in the Rand Mines. Gold Mines of the Rand, pp. 103, 104. Tables.

Temperatures in Deep Mines. Min. & Sci. Press, vol. 68, p. 198. 1½ columns.

Heat in the Earth's Crust. Min. & Sci. Press, vol. 72, p. 502. 2 columns.

Temperatures below Ground. Min. & Sci. Press, vol. 75, p. 363. ½ column.

Heat in Ore Mines. Min. & Sci. Press, vol. 79, p. 286. 1 column.

Temperature of Deep Mines. Min. & Sci. Press, vol. 89, p. 374. ½ column.

Earth Temperatures in Mines. Min. & Sci. Press, vol. 83, p, 260. ¼ column.

The Temperatures which Man can Endure. E. & M. J., vol. 16, p. 116. 1½ columns.

Subterranean Temperatures at Wheeling, West Virginia, and Pittsburg, Pennsylvania. By W. Hallock. Sch. Mines Quart., vol. 18, p. 148. 6 pages. I.

Rock Temperatures in Deep Mines in Belgium. Sch. Mines Quart., vol. 80, p. 252.

Temperatures in Deep Mines. Coll. Engr. & Met. Miner, vol. 14, p. 216. 1 column.

Underground Temperatures. By F. G. Meachem. T. I. M. E., vol. 25, p. 267, 10 pages; p. 283, 3 pages.

The Temperature of Water at Various Depths. E. & M. J., vol. 37, p. 311, ½ column; p. 405, note.

Temperature in Deep Mines. By J. Sterling. M. & M., vol. 18, p. 176. 1½ columns.

Temperatures of the Earth as Shown by Deep Mines. E. & M. J., vol. 37, p. 408. ½ column.

The Heat of the Comstock Mines. E. & M. J., vol. 26, p. 456. 3 columns.

Heat Formed in Mines. T. I. M. E., vol. 16, p. 480.

The Internal Temperature of Rocks. E. & M. J., vol. 61, p. 136. ⅓ column.

Underground Temperatures. By J. Sterling. E. & M. J., vol. 79, p. 745. 1 column.

Underground Temperatures, Especially in Coal Mines. By H. Hoefer. Min. Mag., Apr., 1905, p. 355.

Temperatures in Deep Mines. E. & M. J., vol. 67, p. 713. Note.

The Heat of the Comstock Mines. By J. E. Church. T. A. I. M. E., vol. 7, p. 45.

Cause of Heat in Mines. T. A. I. M. E., vol. 8, p. 325.

The Heat of the Comstock Lode. By J. A. Church. T. A. I. M. E., vol. 8, p. 324.

Source of Heat in Mines. T. A. I. M. E., vol. 7, p. 52.

Hot and Cold Belts in Mines. T. A. I. M. E., vol. 7, p. 49.

Temperature in the Comstock Lode. T. A. I. M. E., vol. 8, p. 87.

Heat in Mines. Min. & Sci. Press, vol. 42, p. 182. 1½ columns.

Subterranean Heat. Min. & Sci. Press, vol. 43, p. 130. ½ column.

Heat in Silver Mines. Min. & Sci. Press, vol. 44, p. 138. ¼ column.

Rock Temperatures. Min. & Sci. Press, vol. 44, p. 196. ⅓ column.

Underground Temperatures. Min. & Sci. Press, vol. 44, p. 344. 1 column.

Hot Water and Foul Air. Min. & Sci. Press, vol. 44, p. 414. ⅞ column.

Heat of the Comstock Lode. E. & M. J., vol. 30, p. 187. 1¼ columns.

Temperature in Comstock Lode Mines. By A. Sutro. E. & M. J., vol. 28, p. 357. ½ column.

Effects of Heat on Men in Mines. Min. & Sci. Press, vol. 39, p. 414. 1¼ columns.

Permanent Ice in a Mine in the Rocky Mountains. E. & M. J., vol. 18, p. 358. ½ column.

Ice in Mines. Min. & Sci. Press, vol. 33, p. 208. ½ column.

Increase of Temperature in Depth. Min. & Sci. Press, vol. 19, p. 50. ⅔ column.

Variation of Temperature with Depth in Rocks. T. N. S. I. M. & M. E., vol. 8, p. 68. Table.

Increasing Temperatures with Depth. Min. & Sci. Press, vol. 87, p. 118. 1½ columns.

Earth Temperatures from Bore-Holes. Witwatersrand Gold-Fields, p. 142. ⅓ page.

Underground Temperatures. Min. & Sci. Press, vol. 46, p. 219. ¼ column.

Temperature of Rocks. Min. & Sci. Press, vol. 47, p. 136. ½ column.

Working in Hot Mines. Min. & Sci. Press, vol. 50, p. 393. 1 column.

Underground Temperatures. Min. & Sci. Press, vol. 66, p. 163. ⅓ column.

Temperatures of Rocks. M. & M., vol. 21, p. 374. Note.

Underground Temperature. E. & M. J., vol. 8, p. 225. 1½ columns.

Underground Temperatures. E. & M. J., vol. 13, p. 228. ⅔ column.

Temperature of the Earth's Crust. E. & M. J., vol. 6, p. 88. 1 column.

Subterranean Temperature. E. & M. J., vol. 6, p. 274. 1 column.

Increase in Temperature with Depth. T. A. I. M. E., vol. 8, p. 330.

Increase of Temperature with Depth. T. A. I. M. E., vol. 7, pp. 45, 74.

Subterranean Temperatures. By W. Hallock. Columbia Eng., 1897–1898, p. 36. 4 pages.

On the Anomalous Vertical Distribution of Temperature in California. Min. & Sci. Press, vol. 38, p. 270. 2½ columns.

Abandoned Mines and Districts

Abandoned Mines. E. & M. J., vol. 9, p. 297. ½ column.

Abandoned Mining Districts. Min. & Sci. Press, vol. 43, p. 303. ½ column.

The Dead Mining Towns and What They Teach. Min. & Sci. Press, vol. 38, p. 121. 1 column.

New and Old Towns in California. Min. & Sci. Press, vol. 29, p. 194. ¾ column.

Hydraulic Mining: Working Abandoned Claims. Min. & Sci. Press, vol. 27, p. 56. 1⅓ columns.

The Meadow Lake Mines: A Deserted City. Min. & Sci. Press, vol. 26, p. 394. 2½ columns.

Failures in "Boomed" Towns. By H. S. Fleming. E. & M. J., vol. 53, p. 207, 2 columns; p. 251, 2¼ columns; p. 330, 2⅙ columns; p. 352, 2½ columns; p. 381, ⅔ column; p. 397, 1¼ columns; p. 429, 1½ columns; p. 469, 1 column; p. 474, 3½ columns.

The Failure of "Boomed" Towns. E. & M. J., vol. 53, p. 517, 1½ columns; p. 541, 2 columns; p. 572, 1 column; p. 590, 1¼ columns.

Salting of Mines

Mining Reports and Mine Salting. By W. McDermott. T. I. M. & M., vol. 3, pt. 2, pp. 108, 131.

Salting Mines: Miners' Tricks and How to Avoid Them. By A. Lakes. Coll. Engr. & Met. Miner, vol. 14, p. 136. 3 columns.

Salting in Sampling. T. I. M. & M., vol. 8, p. 445, ½ page; vol. 3, p. 108. Coll. Engr., vol. 14, p. 136.

The Detection of Salting. Min. & Sci. Press, vol. 91, p. 52. ½ column.

Story of the Independence Alleged Salting Case. By G. J. Bancroft. Min. & Sci. Press, vol. 90, p. 166. 4½ columns. I.

Sanding Samples: Cheating Mine Operators. Min. & Sci. Press, vol. 62, p. 306. ¼ column.

Case of Salting in the Emma Mine, Utah. Min. & Sci. Press, vol. 46, p. 273.

Practices that Call for Correction: Salting, etc. Min. & Sci. Press, vol. 40, p. 312. ¾ column.

How They Salted that Mine. Min. & Sci. Press, vol. 37, p. 342. 1 column.

Mine Salting: Mixing Powdered Rich Ore with Cuttings of Drill, which was Being Made to Ascertain Extent of Ore.. Min. & Sci. Press, vol. 34, p. 296. ⅓ column.

More Salted Mines. Min. & Sci. Press, vol. 28, p. 6. ⅞ column.

Salted Mines. Min. & Sci. Press, vol. 28, p. 42. ¾ column.

The "Salted" Mine Trouble. Min. & Sci. Press, vol. 26, p. 312. 1½ columns.

How an Infant Salted Vancouver. Min. & Sci. Press, vol. 94, p. 789. ½ column.

MINE AND MILL MACHINERY

Mining Machinery: Its Manufacture and Use

Power Consumption of Mining Machines. By Huber. Glückauf, Oct. 1, 1904.
Min. Mag., Oct.-Nov., 1904, p. 298. 1½ columns.

Economy in the Manufacture of Mining Machinery. By C. H. Fitch. T. L. S. M. I., vol. 6, p. 44. 8 pages.

Economy in Manufacture of Mining Machinery. By C. H. Fitch. M. & M., vol. 21, p. 85. 1½ columns.

NOTES ON MACHINERY CONSTITUTING A MINING PLANT. By A. C. Garde. J. C. M. I., vol. 6, p. 301. 6 pages.

THINGS THAT ARE MADE TO SELL AND TO USE. E. & M. J., vol. 80, p. 165. 1 column.

THE DEVELOPMENT OF MACHINERY. E. & M. J., vol. 79, p. 847. 2 columns.

A FEW NOTES ON MATERIAL USED IN MINING MACHINERY. By H. W. De Courtney. T. F. C. M. I., vol. 2, p. 118. 8 pages. I.

THE SAM BROWN MINING MACHINE. Coll. Engr. & Met. Miner, vol. 14, p. 17. ½ column. I.

CARE OF MINING MACHINERY: Hose for Steam or Air; Methods of Construction and Means Adopted for Protecting it from Injury. By E. B. Wilson. M. & M., Feb., 1904, p. 323, 2½ columns; vol. 24, p. 187, 2½ columns, I.; p. 140, 3½ columns, I.

CARE OF MINING MACHINERY. By E. B. Wilson. M. & M., vol. 24, p. 31. 3 columns.

MINING MACHINERY: Prejudice Against. Min. & Sci. Press, vol. 25, p. 360. 2½ columns.

TRANSPORTING MINING MACHINERY. Min. & Sci. Press, vol. 72, p. 121. 3½ columns. I.

LABOR-SAVING MACHINERY IN COAL MINING. By F. W. Parsons. E. & M. J., vol. 81, p. 1144. 4 columns.

THE PURCHASE OF MINING MACHINERY. By F. T. Snyder. Min. & Sci. Press, vol. 83, p. 141. 2¾ columns.

A FEW NOTES ON MATERIAL USED IN MINING MACHINERY. By H. W. De Courtney. T. F. I. M. E., vol. 2, p. 118. 8 pages.

WEAR OF MILL MACHINERY. M. & M., vol. 26, p. 495. Table.

THE MAN-ENGINE AND MINE LADDERS. E. & M. J., vol. 30, p. 189. ¼ column.

MINING APPLIANCES. E. & M. J., vol. 22, p. 297, 2 columns; p. 313, 2 columns.

RATIO OF EQUIPMENT TO ORE RESERVES. Min. Mag., July, 1904, p. 47.

OLD ROMAN MINING MACHINERY: Water Wheel in Rio Tinto Mines. By A. R. Ledoux. E. & M. J., vol. 44, p. 484. ½ column. I.

TOOLS OF THE PHILIPPINE MINERS: Crude Devices Made by Native Engineers and Mechanics, which have Served a Useful Purpose. By a Prospector. M. & M., Aug., 1901, p. 28. 1½ columns.

MINING MACHINERY FOR THE PHILIPPINES. By "Manila." E. & M. J., vol. 71, p. 81. 3 columns.

AMERICAN MINING MACHINERY IN MEXICO AND CENTRAL AMERICA. By F. H. McDowell. T. A. I. M. E., vol. 13, p. 408.

A NEW CHANNELING MACHINE. E. & M. J., vol. 59, p. 534. 1½ columns. I.

PNEUMATIC COAL-BORING MACHINES AND TOOLS. By W. Lynch. T. I. M. E., vol. 29, p. 68. 6½ pages.

A NEW QUARRY MACHINE. M. & M., Nov., 1901, p. 172.

USE OF MINING TOOLS. Min. & Sci. Press, vol. 89, p. 23. 1¾ columns.

ROMAN MINING TOOLS 1600 YEARS OLD. By P. Argall. E. & M. J., vol. 45, p. 125. ½ column. I.

COAL MINING TOOLS AND METHODS. By H. M. Chance. 2d Geol. Sur. of Pa., AC, p. 169. 10 pages. I.

SCIENCE IN SHOVELS AND THEIR USE. M. & M., July, 1902, p. 533. ½ column.

RUSSIAN SHOVELS, PICKS, ETC.: Miners Work with Them. Min. & Sci. Press, vol. 83, p. 191. Note.

MINING PICKS AND HOW TO USE THEM. M. & M., Sept., 1901, p. 84. 2⅓ columns.

MINING SILVER AT SILVER ISLET BY DIVERS AND GRAPPLING HOOKS. E. & M. J., vol. 34, p. 322. Note.

Pulleys and Belts

Calculations of Diameters and Revolutions of Pulleys. Min. & Sci. Press, vol. 82, p. 281. Note.

Laying Out Cone-Pulleys. By J. Rose. E. & M. J., vol. 26, p. 221. 1 column. I.

Magnetism in the Transmission of Power: Edison's Magnetic Pulley. E. & M. J., vol. 55, p. 323. ½ column. I.

A Variable-Speed Pulley. By H. C. Spaulding. T. A. I. M. E., vol. 21, p. 907.

The Use of Slow-Moving Belt-Ropes in Shafts. By H. Rhodes. T. I. M. E., vol. 17, p. 432. 11 pages. I.

Notes on Rubber and the Weight of Rubber Belting. E. & M. J., vol. 71, p. 302. ¾ column.

Rubber Belting. M. & M., July, 1900, p. 574. ½ column.

Hints on Leather Belting. By W. H. Kritzer. Min. & Sci. Press, vol. 86, p. 261. 3⅓ columns. I.

Hints on Rubber Belting. Min. & Sci. Press, vol. 86, p. 350. 4 columns. I.

Selection, Care and Handling of Belts. Min. & Sci. Press, vol. 76, p. 82. 2 columns. I.

Hair vs. Leather Belts. Min. & Sci. Press, vol. 31, p. 118. ½ column.

Bearings and Lubrication

New Determinations of the Coefficients of Friction of Lubricated Journals and Laws Governing such Friction. By R. H. Thurston. T. A. I. M. E., vol. 7, p. 121.

Amount of Friction between Different Substances. Coll. Engr., vol. 13, p. 65. 1½ columns. I.

Friction of Journals. Min. & Sci. Press, vol. 26, p. 67. ½ column.

Friction between Wood and Iron Brakes on Hoisting Drums. Engineering, London, vol. 76, p. 254. 1½ columns.

Alloys for Bearing Purposes. By G. H. Clamer. E. & M. J., vol. 76, p. 393. 1 column.

Friction and Lubrication of Journals. Min. & Sci. Press, vol. 62, p. 54. ⅔ column.

Lubricants, Oil Cups and Dopes. E. & M. J., vol. 62, p. 146.
M. & M., vol. 21, p. 328. 2 columns.

A New Lubricant for Railroad Car Axles. By A. M. Gibson. E. & M. J., vol. 61, p. 617. ½ column.

Lubricants for Cylinders. By R. T. Strohm. M. & M., June, 1903, p. 518. 3½ columns.

Graphite as a Lubricant. E. & M. J., vol. 73, p. 664. 2 columns.

On Dry Lubricants. E. & M. J., vol. 48, p. 156. 1⅓ columns.

Friction Clutches

Steben's Improved Friction Clutch. Min. & Sci. Press, vol. 23, p. 73. ½ column. I.

A New Form of Friction Clutch. By H. S. Hele-Shaw. Engineering, London, vol. 76, p. 163. 7 column. I.

The Sterling Friction Clutch. E. & M. J., vol. 43, p. 436. ⅔ column. I.

The Mechanics of the Friction Clutch. By S. W. Balch. Sch. Mines Quart., vol. 6, p. 118. 12 pages. I.

The Frisbie Clutch and Its Use in Hoisting Engines. E. & M. J., vol. 36, p. 112. ¼ column. I.

The Victoria Friction-Clutch. By L. Dobinson. T. F. I. M. E., vol. 6, p. 231. 4 pages. I.

Friction Clutch. Engineering, London, vol. 73, p. 757. 2½ columns. I.

Herschmann's Hydraulic Clutch. Engineering, London, vol. 66, p. 57. ½ column. I.

HEYWOOD AND BRIDGES FRICTION CLUTCH. Engineering, London, vol. 66, p. 661. ½ column. I.

A SIMPLE DYNAMOMETER. By W. J. Spiro. Sch. Mines Quart., vol. 25, p. 343. 13 pages. I.

Friction Brakes

BRAKE-WHEEL FORCE. M. & M., vol. 20, p. 406. ½ column.

AN EFFECTIVE BRAKE: The Zehnder Steam Brake. Coll. Engr. & Met. Miner, vol. 14, p. 74. 1¼ columns. I.

BRAKES: Coefficients of Friction at Varying Speeds; Cast Iron Brake on Steel Tires. Sch. Mines Quart., vol. 9, p. 64. Table.

AN INSTANTANEOUS EITHER-SIDE BRAKE. T. I. M. E., vol. 22, p. 46. 6 pages. I.

FRICTION BRAKES. Engineering, London, vol. 75, p. 530. ½ column. I.

THE B. C. B. INSTANTANEOUS EITHER-SIDE BRAKE FOR RAILWAY WAGONS AND SIMILAR VEHICLES. By E. Brown. T. I. M. E., vol. 27, p. 46. 5 pages+. I.

Protection of Iron and Steel Structures

PROTECTING STEEL BY PAPER COVERING AND PAINT. By L. H. Barker. E. & M. J., vol. 80, p. 252. 1½ columns.

PROTECTION OF STEEL FROM CORROSION. E. & M. J., vol. 77, p. 276. 1⅓ columns.

A NEW PROCESS FOR THE PROTECTION OF IRON AND STEEL FROM CORROSION. By S. Cowper-Coles. Iron & Steel Mag., Oct., 1904.
Min. Mag., Oct.-Nov., 1904, p. 321, 1½ columns; E. & M. J., vol. 64, p. 159, 1½ columns.

THE PROTECTION OF THE FINISHED SURFACES OF MACHINES. E. & M. J., vol. 80, p. 308. Note.

PROTECTION OF STRUCTURAL WORK FROM RUST. By R. Job. Min. Mag., Jan., 1905, p. 87. 1 column.

PROTECTING IRON AND STEEL AGAINST RUST. E. & M. J., vol. 59, p. 393. Note.

INFERENCES FROM ANDREWS' LATE RESEARCHES ON THE CORROSION OF IRON. E. & M. J., vol. 59, p. 99. ¾ column.

TO REMOVE SCALES FROM IRON. E. & M. J., vol. 81, p. 1053. Note.

Mining Machinery at the Face

THE INTRODUCTION AND USE OF COAL-MINING MACHINES. By L. J. Daft. M. & M., July, 1902, p. 568, 1½ columns; Sept., 1902, p. 87, 3 columns.

EARLY HISTORY OF MINING MACHINES IN GREAT BRITAIN: Some of the First Machines and the Reasons why they did not Succeed. By C. M. Percy. M. & M., July, 1903, p. 565. 3 columns.

FORMULÆ FOR CALCULATING NUMBER OF COAL CUTTING MACHINES NECESSARY PER MINE. Min. & Sci. Press, vol. 75, p. 100. Note.

MINING MACHINERY IN THE SLOCAN. By H. West. T. F. C. M. I., vol. 3, p. 30. 11 pages.

HADFIELD'S MINING MACHINERY. E. & M. J., vol. 78, p. 475. 3½ columns. I.

COAL CUTTING MACHINES OF THE BAR TYPE. By Wm. Charlton. T. I. M. E., vol. 31, p. 31. 7½ pages. I.

PRACTICAL PROBLEMS OF MACHINE-MINING. By S. Mavor. T. I. M. E., vol. 31, p. 378. 65 pages. I.

MECHANICAL UNDERCUTTING IN CAPE COLONY, SOUTH AFRICA. By J. Colley. T. I. M. E., vol. 27, p. 130. 6 pages.

A MECHANICAL COAL-CUTTER IN QUEENSLAND. By Wm. Fryar. T. I. M. E., vol. 30, p. 110. 4½ pages. I.

COAL CUTTING MACHINES. P. C. M., vol. 2, p. 256. 37 pages. I.

Notes on Coal Cutting Machinery at the Collieries of the Dominion Coal Company. By J. G. Hudson. J. M. Soc. N. S., vol. 3, p. 94. 9½ pages.

Rib Drawing by Machinery. By F. Mitchell. M. & M., vol. 28, p. 231. 1 column.

Coal Mined by Machines in the United States. E. & M. J., vol. 84, p. 1075. ⅔ column.

Minimum Depth for Machine Undercutting. E. & M. J., vol. 82, p. 67. Note.

Coal Mining Machines. Coll. Working & Management, p. 113. 22 pages. I.

Coal Cutters and Drills at the Hulton Colliery, England. M. & M., vol. 27, p. 246. 1 column.

Coal Cutting Machines: Conditions under which They Operate and Requisites. E. & M. J., vol. 81, p. 1001. 1¾ columns.

A New Coal Undercutting Chain-Machine. Min. & Sci. Press, vol. 63, p. 377. 2 columns. I.

A New English Coal Cutter: The Little Hardy Undercutter and Shearing Machine. M. & M., vol. 26, p. 256. 3 columns. I.

A New Coal Cutting Machine. Coll. Engr., vol. 12, p. 122. ¾ column. I.

Machine Mining. By L. Stockett. Coll. Engr., vol. 12, p. 169. 11 columns. I.

The Monitor Coal Cutting Machine. E. & M. J., vol. 24, p. 365. 2 columns. I.

The Payton and Holmes Coal-Cutting Machine. E. & M. J., vol. 21, p. 228. 1 column. I.

Coal Cutting Machinery. E. & M. J., vol. 19, p. 285, 2½ columns, I.; p. 305, 1 column, I.

The Winstanley Coal Cutter. E. & M. J., vol. 19, p. 415. 1 column. I.

Hand-Worked Coal Cutting Machines. E. & M. J., vol. 18, p. 149. 1½ columns.

A Coal Cutting Machine in Indiana. E. & M. J., vol. 16, p. 186. 1 column.

Self-Acting Apparatus for Cutting Coal, Boring Rocks, etc. Am. Jour. Min., vol. 4, p. 35. ½ column.

Coal Mining Machines in Great Britain. E. & M. J., vol. 74, p. 147. ½ column.

Ingersoll-Sergeant Coal Mining Machine. E. & M. J., vol. 47, p. 120. I.

Coal Mining Machinery. E. & M. J., vol. 45, p. 398. 1 column. I.

The Application of Coal-Cutting Machines to Deep Mining. By W. E. Garforth. T. I. M. E., vol. 23, p. 312. 32 pages. I.

Appanoose County Coal Field: A Description of the Coal, the Methods of Mining and the Use of Machines in Thin Veins, Iowa. By J. J. Rutledge. M. & M., vol. 21, p. 345. 3 columns.

The Ednie Coal Undercutter. E. & M. J., vol. 54, p. 249. Note. I.

The Brown Coal Mining Machine. E. & M. J., vol. 54, p. 275. ½ column. I.

Coal Cutting by Machinery in British Collieries. By S. F. Walker. E. & M. J., vol. 73, p. 348, 7 columns, I.; vol. 73, p. 824, 5 columns, I.; vol. 74, p. 77, 3¾ columns.

Machine Mining in the St. Louis Coal Regions. By H. A. Wheeler. Sch. Mines Quart., vol. 9, p. 299. 17 pages. I.

Coal-Cutting Machinery. By H. Davis. T. I. M. E., vol. 19, p. 5. 3 pages.

Notes on Coal-Getting by Machinery. By T. H. Wordsworth. T. F. I. M. E., vol. 7, p. 149. 7 pages. I.

THE CAPACITIES OF COAL CUTTING MACHINES. By W. Blakemore. T. F. C. M. I., vol. 1, p. 231. 8 pages.

MECHANICAL APPLIANCES IN MINES: Coal Cutting and Drilling. By R. H. Wainford. Engineering, London, vol. 74, pp. 227, 261. I.

COAL-CUTTING MACHINES: The Circumstances where They can be Profitably Used; The Special Uses of the Pick Machines. M. & M., vol. 18, p. 273. 2 columns. I.

COAL-CUTTING BY MACHINERY. By W. T. Goolden. T. I. M. E., vol. 15, p. 378. 26 pages. I. By G. C. Allsebrook. T. I. M. E., vol. 16, p. 67, 16 pages, I.; vol. 23, p. 96, 13 pages.

MACHINE COAL-MINING IN IOWA. By H. F. Bain. T. F. I. M. E., vol. 13, p. 478. 14 pages. I.

COAL-CUTTING BY MACHINERY. By W. Blakemore. T. F. I. M. E., vol. 11, p. 179. 28 pages. I.

A NEW RADIAL COAL CUTTER. E. & M. J., vol. 79, p. 684. 2 columns. I.

COAL-CUTTING MACHINERY. By E. W. Parker. T. A. I. M. E., vol. 29, p. 405. I.

A UNIQUE COAL-CUTTING PLANT. By T. W. Sprague. E. & M. J., vol. 60, p. 57. 2 columns. I.

MACHINE MINING IN PENNSYLVANIA. By Daniel Boden. M. & M., Nov., 1901, p. 173.

THE SULLIVAN MINING (Coal) MACHINE. E. & M. J., vol. 64, p. 429. 1½ columns. I.

THE MONITOR COAL-CUTTER. By J. S. Alexander. T. A. I. M. E., vol. 3, p. 23.

UNDERCUTTING COAL SEAMS IN THE ANTHRACITE FIELD. M. & M., Sept., 1903, p. 51. 1½ columns.

NEW INGERSOLL COAL CUTTER. M. & M., Dec., 1901, p. 224.

MECHANICAL COAL-CUTTERS AT A FRENCH COLLIERY. E. & M. J., vol. 73, p. 306. 1 column.

MECHANICAL COAL GETTER. By Enoch Mould. T. N. S. I. M. & M. E., vol. 9, p. 186, 6 pages, I.; p. 227, 3 pages; p. 267, 2 pages.

THE CHAIN AND THE PICK MACHINES: A Comparison of the Two Types of Coal-Cutters from the Standpoint of an Advocate of Chain Machines. By H. S. Johnson. M. & M., June, 1903, p. 510. 3 columns.

THE HISTORICAL DEVELOPMENT OF THE PICK TYPE OF MINING MACHINE. By L. J. Daft. P. E. Soc. W. Pa., vol. 17, p. 269. 28 pages. I.

COAL-CUTTING MACHINERY OF THE PERCUSSION TYPE. By A. Simon. T. I. M. E., vol. 26, p. 322. 8 pages. I.

ELECTRIC COAL-CUTTING. T. I. M. E., vol. 26, p. 348. 58 pages. I.

EXPERIMENTS WITH PICK COAL-CUTTING MACHINES. By Brandi. T. I. M. E., vol. 26, p. 621. 2¼ columns.

USE OF PICK COAL MINING MACHINES IN PITCHING SEAMS. E. & M. J., vol. 83, p. 915. ½ column.

A PUNCHER MACHINE MINE. By C. Dixon. M. & M., vol. 26, p. 183. 5½ columns.

OPERATING A COMPRESSED-AIR PICK MACHINE. M. & M., Apr., 1902, p. 427.

MACHINE-MINING AND PICK-MINING COMPARED. By W. D. L. Hardie. T. I. M. E., vol. 17, p. 171. 10 pages.

PRACTICAL POINTS FOR PICK-MACHINE RUNNERS. By L. J. Daft. M. & M., Oct., 1902, p. 134. 4 columns.

PICK AND CHAIN MACHINES: A Comparison of the Two Types from the Standpoint of an Advocate of Pick Machines. By L. J. Daft. M. & M., Sept., 1902, p. 52. 4 columns.
E. & M. J., vol. 75, p. 634. 4 columns. I.

THE LEE LONG-WALL MINING-MACHINE. By H. F. Bain. T. A. I. M. E., vol. 29, p. 474.

LONGWALL COAL-CUTTING MACHINES. M. & M., Aug., 1902, p. 25. 1 column.

THE JEFFREY'S AIR-POWER LONGWALL MINING MACHINES. M. & M., Apr., 1901, p. 396. 1 column.

THE JEFFREY'S AIR POWER LONGWALL MINING MACHINES. E. & M. J., vol. 71, p. 277. 1 column. I.

Electric Coal Mining Machines

A MODERN COAL CUTTER. E. & M. J., vol. 78, p. 267. 3½ columns. I.

THE LEGG COAL MINING MACHINES. E. & M. J., vol. 38, p. 73. ½ column. I.

ELECTRICALLY DRIVEN COAL-CUTTING MACHINERY. Rept. Census Office, Mines & Quarries, 1902, chap. 3, p. 149. 3½ columns. I.

ELECTRICAL COAL MINING. By J. T. Burchall. J. M. Soc. N. S., vol. 1, p. 15, pt. 4. 11 pages.

ELECTRIC MINING MACHINES. P. E. Soc. W. Pa., vol. 13, p. 164. 7 pages. I.

ELECTRICALLY-DRIVEN COAL-CUTTERS. T. I. M. E., vol. 31, p. 411. 2½ pages.

BREAKDOWNS OF ELECTRICAL MINING MACHINERY. Colliery Guard., Sept. 16, 1904.
Min. Mag., Oct.-Nov., 1904, p. 298. ½ column.

ELECTRIC MINING MACHINERY: Some Facts in Regard to Its Successful Use in Anthracite Coal Mines of Pennsylvania. By F. J. Platt. Coll. Engr. & Met. Miner, vol. 17, p. 483, 5 columns.

JEFFREY'S SHORTWALL COAL CUTTER FOR ROOM-AND-PILLAR WORK. M. & M., vol. 28, p. 551. 1⅞ columns. I.

ELECTRIC COAL CUTTER (A Series of Drills). Min. & Sci. Press, vol. 63, p. 293. 2 columns. I.

ELECTRIC COAL-CUTTING AT GLENCLELLAND COLLIERY. By G. A. Mitchell. T. F. I. M.E., vol. 9, p. 128. 9 pages. I.

ELECTRICALLY DRIVEN MINING MACHINES. Sch. Mines Quart., vol. 20, p. 236. 13 pages. I.

MONITOR COAL CUTTER. E. & M. J., vol. 19, p. 112. I.

FORMULA (Hazeltine's) FOR CALCULATING CAPACITY OF ELECTRIC COAL CUTTING MACHINES IN SQUARE FEET OF COAL PER MINUTE. Sch. Mines Quart., vol. 20, p. 243.

THE JEFFREY'S ELECTRIC COAL-CUTTING MACHINE. By R. S. Williamson. T. F. I. M. E., vol. 7, p. 305. 4 pages. I.

ELECTRICAL COAL-CUTTING MACHINES. By F. W. Hurd. T. I. M. E., vol. 25, p. 108. 22 pages. I.

ELECTRICITY IN BITUMINOUS COAL MINING: Use of Mining Machines. By R. M. Hazeltine. Coll. Engr. & Met. Miner, vol. 16, p. 75. 11 columns.

COAL CUTTING MACHINES: The Comparative Advantages and Disadvantages of Compressed Air and Electrically Driven Machines over Pick Mining. By C. Robinson. Coll. Engr. & Met. Miner, vol. 17, p. 313. 1½ columns.

TWO TYPES OF ELECTRICAL COAL-CUTTERS. By T. H. Barr. T. I. M. E., vol. 16, p. 447. 6 pages. I.

ELECTRICAL COAL-CUTTER OF THE HERCULES MINING MACHINE COMPANY: Rotary-bit-cutter. T. A. I. M. E., vol. 19, p. 261.

THE JEFFREY'S ELECTRIC POWER 48-INCH-CUT SHEARING MACHINE. M. & M., May, 1901, p. 478. 1 column.

ELECTRIC COAL MINING MACHINE. Min. & Sci. Press, vol. 83, p. 184.

ELECTRIC MINING MACHINE. Min. & Sci. Press, vol. 83, p. 268.

ELECTRIC COAL-CUTTING ON LONGWALL FACES. By T. B. A. Clarke. T. F. I. M. E., vol. 11, p. 492. 9 pages. I.

SULLIVAN ELECTRIC COAL-CUTTERS: Description of an Improved Type of Chain Coal-Cutters Adapted to Both Pillar-and-Stall and Longwall Work. M. & M., Sept., 1904, p. 90. 4 columns. I.

THE ELECTRICAL CHAIN BREAST MINING MACHINE. By F. N. Slade. M. & M., Apr., 1903, p. 423. 3 columns.

THE ELECTRIC CHAIN BREAST-MINING MACHINE. By F. N. Slade. M. & M., Jan., 1903, p. 279. 3 columns.

THE ELECTRICAL CHAIN BREAST MINING MACHINE. By F. N. Slade. M. & M., Mar., 1903, p. 376. 2½ columns.

A NEW ELECTRIC CHAIN COAL-MINING MACHINE. M. & M., Dec., 1901, p. 207. 1½ columns.

THE VAN DEPOELE SOLENOID COAL CUTTER. E. & M. J., vol. 52, p. 245. ¼ column. I.

AN ELECTRIC COAL PUNCHER. By T. W. Sprague. M. & M., vol. 28, p. 427. 6 columns. I.

Mechanical Mining Appliances — Getters

MOULD'S HYDRAULIC COAL-GETTER. Coll. Engr., vol. 12, p. 62. ⅔ column.

HYDRAULIC COAL GETTER IN USE IN CANADA. E. & M. J., vol. 81, p. 93. Note.

USE OF HYDRAULIC MINING CARTRIDGE (Device) AT HULTON COLLIERY, ENGLAND: Advantages over Explosives. M. & M., vol. 27, p. 246. 1 column. I.

COAL MINING BY HYDRAULIC MEANS: Getters. M. & M., vol. 27, p. 124. 1 column.

A HYDRAULIC APPARATUS FOR BREAKING DOWN COAL. E. & M. J. vol. 63, p. 568. Note.

AN IMPROVED MECHANICAL COAL-GETTER. Coll. Engr., vol. 12, p. 124. 1 column. I.

MACHINERY VS. GUNPOWDER IN GETTING COAL. Am. Jour. Min., vol. 7, p. 114. ½ column.

COAL-GETTING BY MACHINERY. By G. B. Walker. T. F. I. M. E., vol. 1, p. 128, 18 pages, I.; vol. 2, p. 230, 4 pages.

THE HEISE COAL WEDGE. E. & M. J., vol. 68, p. 671. ½ column. I.

A NEW COAL WEDGE. E. & M. J., vol. 69, p. 503. ⅘ column. I.

LANCASTER'S PATENT MECHANICAL COAL WEDGING MACHINE. Coll. Engr., vol. 8, p. 209. 1½ columns. I.

BURNETT'S ROLLER MINING WEDGE. E. & M. J., vol. 42, p. 294. ½ column.

THE ROBERTS-HORSFIELD-PORTER HYDRAULIC MINING PRESS (Getter). E. & M. J., vol. 45, p. 475. ½ column. I.

THE HEISE WEDGE. M. & M., vol. 20, p. 266. ⅓ column. I.

A NEW MACHINE FOR GETTING COAL. By E. Mould. T. N. S. I. M. & M. E., vol. 8, p. 96. 4 pages. I.

THE HASWELL MECHANICAL COAL-GETTER: An Invention for Working Coal without the Aid of Gunpowder or Other Explosives. By W. F. Hall. T. N. S. I. M. & M. E., vol. 7, p. 124. 10 pages. I.

TOOLS AND APPLIANCES USED IN COAL-GETTING. Coll. Working & Management, p. 108. 26 pages. I.

MINE SUPPORT

Mine Support: Conditions Affecting, etc.

EFFECT OF PRESSURE OF OVERLYING STRATA ON COAL-SEAM IN SOUTH STAFFORDSHIRE COAL-FIELDS. T. F. I. M. E., vol. 8, p. 410.

THE GREAT PLANES OF STRAIN IN THE ABSOLUTE ROOF OF MINES. By H. W. G. Halbaum. T. I. M. E., vol. 3, p. 175. 27 pages. I.

SUBTERRANEAN PRESSURES. Engineering, London, vol. 73, p. 25, ⅔ column; p. 225, 2 columns; p. 311, note; p. 419, ½ column.

METHOD OF SUPPORTING ROOF BACK OF LONGWALL FACE. T. N. S. I. M. & M. E., vol. 8, plate 12. I.

ACTION, INFLUENCE AND CONTROL OF THE ROOF IN LONGWALL WORKING (Discussion). T. I. M. E., vol. 30, p. 550. 18 pages. I.

CONTROL OF LONGWALL ROOF BY TIMBERING. T. I. M. E., vol. 27, p. 225. 2 pages. I.

SUPPORTING EXCAVATIONS. M. & M., June, 1902, p. 517. 2 columns.

SUPPORTING EXCAVATIONS. M. & M., Sept., 1902, p. 88. 2 columns.

SUPPORTING EXCAVATIONS. M. & M., Aug., 1902, p. 39. 2½ columns.

SUPPORTING EXCAVATIONS. M. & M., July, 1902, p. 566. 2¼ columns.

THE SUPPORTING OF THE UNDERGROUND QUARRIES BENEATH THE MONTROUGE RESERVOIRS. By M. Keller. E. & M. J., vol. 25, p. 204. ½ column.

THE SUPPORT OF EXCAVATIONS IN THE WITWATERSRAND MINES. By T. L. Carter. E. & M. J., vol. 77, p. 719. 3½ columns. I.

SUPPORTING THE ROOF: Pillars, Stulls, Timbering. The Witwatersrand Gold-Fields, pp. 346, 349, 354. I.

THE TREATMENT OF SQUEEZES AND CREEPS. M. & M., vol. 19, p. 460. 1 column. I.

THE CONTROL OF CREEPS. By Ed. Jones. M. & M., vol. 18, p. 111. 4 columns. I.

METHODS OF PREVENTING FALLS OF ROOF ADOPTED AT THE COURRIERES COLLIERIES. By C. Le Neve Foster. T. I. M. E., vol. 20, p. 164, 10 pages, I.; p. 223, 10 pages; p. 250, 6 pages.

THE SUPPORT OF BUILDING (when Undermined). By W. Spencer. T. F. I. M. E., vol. 5, p. 188, 10 pages, I.; vol. 9, p. 102, 12 pages.

MINE SUPPORT. Coll. Engr. & Met. Miner, vol. 17, p. 77. 3¼ columns. I.

HEIGHT TO WHICH STOPES CAN BE TIMBERED WITH SQUARE SETS, AS SHOWN BY EXPERIENCE IN THE HOMESTAKE MINE. Min. & Sci. Press, vol. 88, p. 177. Note.

SIZE OF TIMBERS, SETS, ETC., AND COST IN THE HOMESTAKE MINES. Min. & Sci. Press, vol. 91, p. 4. Note.

HOW TO DRIVE WEDGES IN BLOCKING TIMBERS. E. & M. J., vol. 83, p. 673. Note.

METHOD OF HANDLING TIMBERS. Min. & Sci. Press, vol. 80, p. 149. ½ column. I.

FRAMING ROUND TIMBERS AND NEEDLING TIMBERS INTO ROOF. Min. & Sci. Press, vol. 46, p. 393. I.

THE USE OF STULLS. Min. & Sci. Press, vol. 91, p. 60. ¾ column. I.

THE EFFICIENCY OF BUILT-UP WOODEN BEAMS. By E. Kidwell. T. A. I. M. E., vol. 27, pp. 732, 979.

PRINCIPLES RELATING TO POST TIMBER. M. & M., Sept., 1901, p. 86. 2 columns.

PRINCIPLES RELATING TO POST TIMBER. M. & M., Aug., 1901, p. 36. 3 columns.

LENGTH OF TIMBER THAT CAN BE TAKEN DOWN A SHAFT AND INTO WORKINGS. M. & M., June, 1902, p. 524.

MAXIMUM AND MINIMUM ANGLES AT WHICH PROPS SHOULD BE SET IN VARYING INCLINATIONS. T. I. M. E., vol. 16, p. 235. Table.

ON THE THEORY OF TIMBERING. By H. Lewis. M. & M., vol. 20, p. 495. 3¾ columns. I.

THE UNTIMBERING OF STALLS. By A. Dumont. Coll. Engr., vol. 8, p. 219. 8 columns. I.

TIMBERING (Cribbing) AND RETIMBERING. E. & M. J., vol. 78, p. 906.

TIMBERING IN COAL MINES OF PENNSYLVANIA. 2d. Geol. Survey Pa., AC, p. 66. 5 pages. I.

METHODS OF RENEWING OLD TIMBERING AT THE DIVES-PELICAN MINE, SILVER PLUME, COLORADO. By J. F. McClelland. Min. Mag., Feb., 1905, p. 152.

PROTECTING SHAFT TIMBERS WHEN BLASTING. Min. & Sci. Press, vol. 81, p. 532. 1 column. I.

PROTECTION OF SHAFT TIMBERS DURING SINKING. Min. & Sci. Press, vol. 83, p. 13. Note.

DRAWING TIMBERS. M. & M., Sept., 1904, p. 87. I.

PILLAR DRAWING: The Method Used for Taking Out Pillars when the Workings have been Flushed with Culm. By J. B. Davis. M. & M., vol. 20, p. 289. 2½ columns. I.

IMPROVED APPARATUS FOR DRAWING TIMBER IN MINES. By E. B. Wain. T. F. I. M. E., vol. 12, p. 591. 6 pages. I.

A MITER-BOX FOR MINE TIMBERS. E. & M. J., Mar. 16, 1905, p. 514.

A TIMBER (Mine) FRAMING MACHINE. Min. & Sci. Press, vol. 42, p. 45. 2 columns. I.

Kinds of Timber

USE OF DEAD TIMBER. E. & M. J., vol. 84, p. 776. 1 column.

LOCUST FOR MINE TIMBER. E. & M. J., vol. 41, p. 351. ½ column.

TIMBER USED IN MINING IN THE UNITED STATES. By R. S. Kellogg. E. & M. J., vol. 83, p. 487. 9 columns.

TIMBER USED IN MINES. By R. S. Kellogg. M. & M., vol. 27, p. 495. 4½ columns.

THE TIMBER SUPPLY. Min. & Sci. Press, vol. 94, p. 758. 1 column.

TIMBER USED IN THE ANTHRACITE MINES. M. & M., vol. 27, p. 148. ¾ column.

CAUSE OF LOSS OF TIMBER IN MINES. E. & M. J., vol. 82, p. 1124. Note.

ECONOMY IN MINE TIMBERING. E. & M. J., vol. 82, p. 935. 3½ columns. I.

CHARACTERISTICS AND PROPERTIES OF WOOD. Bull. 11.

SEASONING OF TIMBER. Bull. 41.

CROSS-TIE FORMS AND RAIL FASTENINGS, WITH SPECIAL REFERENCE TO TREATED TIMBERS. Bull. 50.

REPORT ON THE CONDITION OF TREATED TIMBERS LAID IN TEXAS. Bull. 50.

EXPERIMENTS ON THE STRENGTH OF TREATED TIMBER. Circular 39.

FRACTIONAL DISTILLATION OF COAL-TAR CREOSOTE. Circular 80. U. S. Dept. Agriculture. Forest Service.

TIMBER FOR THE MINES: Where the Comstock Timber comes from. Min. & Sci. Press, vol. 35, p. 182. 1⅓ columns.

CONSUMPTION OF WOOD ON THE COMSTOCK. Min. & Sci. Press, vol. 70, p. 172. 1¾ columns.

QUANTITY OF TIMBER USED IN THE NEW SOUTH WALES MINES (Metal). Annl. Min. Rept. N. S. Wales, 1899, p. 104. Note.

EUCALYPTUS: The Tree of the Future. By S. Lockwood. E. & M. J., vol. 25, p. 275. 1 column.

SUITABILITY OF VARIOUS KINDS OF WOOD FOR PIT-PROPS. By Dütting. T. I. M. E., vol. 23, p. 724. 4 pages.

TIMBER SUPPLY. E. & M. J., vol. 75, p. 967. Note.

CONSUMPTION OF TIMBER IN MINES, BUTTE. E. & M. J., vol. 48, p. 384. Note.

THE SUITABILITY OF CERTAIN WOODS FOR MINE TIMBERING. M. & M., vol. 19, p. 512. 1 column.

THE USES OF NATIVE WOODS IN MINING IN THE PHILIPPINES. By "Manila." E. & M. J., vol. 71, p. 432. 3 columns. I.

CYPRESS TIMBER. E. & M. J., vol. 67, p. 439. Note.

BEECH WOOD FOR MINE TIMBERS. E. & M. J., vol. 67, p. 43. Note.

THE USE OF OREGON PINE FOR MINE TIMBERING. E. & M. J., vol. 65, p. 430. 1 column.

ACACIA FOR MINE TIMBERS. E. & M. J., vol. 65, p. 282. Note.

SUBSTITUTION OF STEEL FOR TIMBER. By R. B. Woodworth. M. & M., vol. 28, p. 212. 8 columns. I.

IRON STAGE-BAR (Stulls). M. & M., vol. 20, p. 387. I.

ROLLED STEEL GIRDERS FOR SUPPORTING THE ROOF IN MINES. By T. R. Smith. Coll. Engr., vol. 8, p. 1. ½ column.

ON THE USE OF IRON LINING WALLS IN THE SAARBRUECKEN MINES. E. & M. J., vol. 27, p. 10. 1¼ columns.

THE USE OF STEEL GIRDERS IN MINES. By E. Thompson. T. F. I. M. E., vol. 10, p. 272, 8 pages; vol. 13, p. 277, 6 pages, I.

STEEL GIRDERS FOR SUPPORTING MINE WORKINGS. E. & M. J., vol. 78, p. 296. ½ column.

STEEL TO REPLACE TIMBERING. By R. V. Norris. E. & M. J., vol. 78, p. 60. 4 columns. I.

USE OF PROP SCREW JACKS. E. & M. J., vol. 15, p. 113. 3 columns. I.

THE USES AND ADVANTAGES OF THE PROP SCREW-JACK. By E. Ganjot. T. A. I. M. E., vol. 1, p. 82.

IRON AND STEEL FOR MINE SUPPORTS. By G. L. Kerr. E. & M. J., vol. 67, p. 377. 1¾ columns. I.

IRON-COVERED TIES IN MINES. E. & M. J., vol. 67, p. 41. Note.

ARTIFICIAL STONE AS MADE IN ENGLAND. M. & M., Dec., 1901, p. 238. 1 column.

THE THEORY AND DESIGN OF THE MASONRY ARCH. By W. H. Burr. Sch. Mines Quart., vol. 20, p. 1. 40 pages. I.

THE THEORY OF THE CIRCULAR MASONRY DOME OF UNIFORMLY VARYING THICKNESS. Sch. Mines Quart., vol. 19, p. 1. 9 pages. I.

MASONRY. By G. S. Morison. Columbia Eng., 1897–1898, p. 88. 11 pages.

DRY AND MORTAR LAIN WALLS FOR MINE SUPPORT. E. & M. J., vol. 23, p. 92.

MASONRY SUPPORTS IN ALMADEN MINES. Min. & Sci. Press, vol. 37, p. 326. I.

USES OF CONCRETE IN MINING. By M. M. Habets. M. & M., vol. 21, p. 254. 3 columns. I.

For use of Concrete in Mining Support, see CEMENT and CONCRETE.

For Filling Methods, see PACKING MINE WORKINGS.

Strength of Timber, Masonry, Iron and Coal for Mine Support

STRENGTH OF WATER-SOAKED TIMBER. Min. & Sci. Press, vol. 87, p. 248. Note.

SPECIFICATIONS FOR YELLOW PINE. E. & M. J., vol. 77, p. 957. ¼ column.

THE STRENGTH AND LIFE OF MINE TIMBERS. By W. H. Storms. Min. & Sci. Press, vol. 90, p. 240, 2 columns; p. 254, 3½ columns, I.; p. 267, 2 columns, I.

STRENGTH OF PILLARS. T. A. I. M. E., vol. 1, p. 172.

COMPARATIVE TESTS OF BRACING FOR WOODEN BENTS. By E. Kidwell. T. L. S. M. I., vol. 4, p. 34. 44 pages. I.

RELATIVE STRENGTH OF SQUARE AND ROUND TIMBER. M. & M., Sept., 1901, p. 93.

PHYSICAL TESTS OF SOME PACIFIC COAST TIMBERS. By Frank Soulé. T. A. I. M. E., vol. 29, p. 552.

USEFUL TABLE: Safe Loads for Wooden Posts for Mine Work. By A. Forsyth. M. & M., Mar., 1904, p. 376.

THE RELATION OF THE STRENGTH OF WOOD UNDER COMPRESSION TO ITS TRANSVERSE STRENGTH. By B. E. Fernow. E. & M. J., vol. 66, p. 63. ¾ column.

THE RELATION OF THE STRENGTH OF WOOD UNDER COMPRESSION TO THE TRANSVERSE STRENGTH. By B. E. Fernow. T. A. I. M. E., vol. 28, p. 240.

THE STRENGTH OF PIT-PROPS. By H. Louis. E. & M. J., vol. 66, p. 517. 2½ columns. I.

EXPERIMENTS ON AMERICAN WOODS. By S. P. Sharples. T. A. I. M. E., vol. 11, p. 281.

TESTS ON FULL-SIZED CAST-IRON COLUMNS. By W. H. Burr. Sch. Mines Quart., vol. 19, p. 283. 6 pages. D.

"THE TRUE COLUMN FORMULA" AN IMPOSSIBILITY. By J. L. Greenleaf. Sch. Mines Quart., vol. 16, p. 339. 6 pages.

A STRAIGHT LINE FORMULA FOR CAST-IRON COLUMNS. By S. O. Miller. Sch. Mines Quart., vol. 19, p. 185. 3 pages.

RELATIVE STRENGTH OF METAL AND TIMBER. Min. & Sci. Press, vol. 69, p. 89. ¾ column.

PRACTICAL STRENGTH OF COLUMNS OR STRUTS OF WROUGHT IRON AND MILD STEEL. By J. M. Moncrieff. Engineering, London, vol. 73, p. 731, 11½ columns, I.; p. 777, 1 column; p. 823, 1 column.

COMPRESSIVE STRENGTH OF ANTHRACITE COAL. M. & M., Mar., 1903, p. 368. 3 columns.

THE ULTIMATE CRUSHING STRENGTH OF COAL. By J. Daniels and L. D. Moore. E. & M. J., vol. 84, p. 263. 10½ columns. I.

FORMULA FOR DETERMINING THICKNESS OF MASONRY LINING OF TUNNELS, WITH TABLES GIVING THICKNESS OF LINING. Tunneling Prelini, pp. 74 and 78.

FORMULA FOR DETERMINING THICKNESS OF BRICK OR METAL TUBBING FOR SHAFTS. Mech. Eng. Coll., vol. 1, p. 67.

ELEMENTS OF STRENGTH IN BUILDING STONE. E. & M. J., vol. 65, p. 429. 1 column.

Subsidence in Mine Workings

COAL-MINING SUBSIDENCES IN RELATION TO SEWAGE-WORKS. By F. W. Mager. T. I. M. E., vol. 27, p. 616. 3 pages.

THE SUBSIDENCES IN AND AROUND THE TOWN OF NORWICH IN CHESHIRE. By T. Ward. T. I. M. E., vol. 19, p. 241. 24 pages. I.

SLIPS AND SUBSIDENCES. Earthwork and Its Cost, Chap. 18, p. 184.

SUBSIDENCE IN UNDERGROUND MINES. By A. Richardson. E. & M. J., vol. 84, p. 196. 10½ columns. I.

Size of Pillars: Barrier Pillars, etc.

CONNECTING COAL MINES: Barrier Pillars. E. & M. J., vol. 80, p. 16. ½ column.

BARRIER PILLARS. Coll. Engr., vol. 12, p. 82. Table.

BOUNDARY PILLARS. Rept. Inspr. Mines Pa., 1881, p. 282. 1½ pages.

MINE PILLARS PROBLEM. M. & M., Jan., 1904, p. 287.

PILLARS OF COAL. By S. H. Daddow. T. A. I. M. E., vol. 1, p. 170.

SUBSTITUTE FOR PILLARS OF COAL. T. A. I. M. E., vol. 1, p. 175.

PILLARS IN THE DEEP MINES OF THE LAKE SUPERIOR COPPER MINES. By F. W. McNair. E. & M. J., vol. 83, p. 322. 2 columns.

SHAFT-PILLARS. P. C. M., vol. 2, p. 299. 6 pages. I.

SHAFT-PILLARS: Methods of Determining Their Size in the Primal Development of a Coal Field. M. & M., vol. 18, p. 117. 1 column.

CONDITIONS GOVERNING SIZE OF PILLARS IN COAL MINES. E. & M. J., vol. 51, p. 654.

SIZE OF MINE PILLAR. M. & M., Apr., 1903, p. 428.

WIDTH OF ROOM PILLARS. M. & M., Apr., 1902, p. 420. 2½ columns.

WIDTH AND STRENGTH OF MINE PILLARS. M. & M., Jan., 1905, p. 302.

SIZE OF PILLAR. M. & M., May, 1904, p. 515.

PROPER SIZE OF SHAFT PILLARS. E. & M. J., vol. 81, p. 766. Note.

MINIMUM SIZE OF COAL MINE PILLARS WITH VARYING DEPTH OF SHAFTS. M. & M., vol. 17, p. 189. Table.

SIZE AND SHAPE OF PILLARS FOR MINES, ESPECIALLY COAL MINES. Coll. Working & Management, p. 160. 3 pages. I.

WHAT SHOULD BE THE SIZES OF COAL RIB PILLARS? M. & M., vol. 19, p. 517. ½ column.

DOME-SHAPED ENLARGEMENT OF A SHAFT. E. & M. J., vol. 68, p. 369. ½ column. I.

Methods of Supporting Workings

CORNISH METHODS OF MINE-TIMBERING. By G. P. Chaplin. T. F. I. M. E., vol. 13, p. 200. 10 pages. I.

TIMBERING AND SUPPORTING UNDERGROUND WORKINGS: Forms Illustrated. By G. L. Kerr. T. I. M. E., vol. 16, p. 230, 20 pages, I.; p. 430, 6 pages.

TIMBERING AND PACKING IN MINES. Coll. Engr., vol. 9, p. 122. 6½ columns.

MINE TIMBER: Its Necessity and the Best Means for Securing Economy and Safety in Its Use. Coll. Engr. & Met. Miner, vol. 17, p. 110. 5¼ columns.

NOTES ON SYSTEMATIC TIMBERING. By W. H. Pickering. T. I. M. E., vol. 24, p. 95. 10 pages.

TIMBERING IN MINES. By F. G. Meachem. T. I. M. E., vol. 21, p. 304. 2 pages.

TIMBERING AND ACCIDENTS: How Mine Accidents may be Prevented by Proper Timbering. By A. H. Stokes. M. & M., vol. 19, p. 230. 3½ columns. I.

MINE TIMBERING: Various Methods of Cutting and Placing Timbers to Secure the Best Results. By D. J. Evans. M. & M., vol. 21, p. 39. 2 columns. I.

TIMBERING OF CHUTES AND MANWAYS. Sch. Mines Quart., vol. 24, p. 62.

A METHOD OF MINE TIMBERING. E. & M. J., vol. 74, p. 147. 1 column. I.

TIMBERING IN CENTER STAR MINE, BRITISH COLUMBIA. M. & M., vol. 25, p. 549.

TIMBERING IN MINES. M. & M., vol. 20, p. 277. 1 column.

TIMBERING IN MINES. Coll. Engr., vol. 8, p. 105. ⅔ column.

GANGWAY TIMBERING. 2d Geol. Survey Pa., AC, p. 95. 4 pages.

MINE SUPPORT, ENGLAND. E. & M. J., vol. 23, p. 28, ½ column; p. 42, 2 columns, I.; p. 60, 2 columns, I.; p. 92, 1 column, I.

METHODS OF MINE TIMBERING: All Kinds. Min. & Sci. Press, vol. 69, p. 81, 9 columns, I.; p. 132, 6⅓ columns, I.; p. 148, 6 columns+, I.; p. 182, 5⅓ columns, I.; p. 212, 8 columns, I.

MINE TIMBERING: Stope and Drift Timbering. Min. & Sci. Press, vol. 46, p. 73, 2 columns, I.; p. 97;

¼ column, I.; p. 113, 1 column, I., p. 153, 2 columns, I.; p. 161, ¼ column, I.; p. 224, ⅔ column, I.; p. 248, 3 columns, I.; p. 273, ¼ column, I.; p. 345, ⅔ column, I.; Tunnel Timbering, Austrian, p. 361, ¼ column, I.; Timbering for Vertical Shafts, p. 377, ¼ column, I.; Straightening up Timbers by Wedging, p. 393, 1½ columns, I.; Framing Round Timber, p. 401, 1 column, I.; Timbering Drifts, p. 417, 1⅔ columns, I.

METHODS OF MINE TIMBERING. Min. & Sci. Press, vol. 90, p. 320. 1½ columns. I.

TIMBERING IN DEEP MINES. By A. W. Clapp. E. & M. J., vol. 73, p. 611. 1 column.

TIMBERING IN SWELLING GROUND. By C. T. Rice. E. & M. J., vol. 82, p. 306. 1¾ columns. I.

UNDERGROUND TIMBERING. By R. B. Nickerson. Min. & Sci. Press, vol. 92, p. 328. 3¼ columns. I.

TWO-STICK TIMBERING. M. & M., Oct., 1902, p. 133. 3 columns.

TIMBERING: Size of Collar; Relation of Diameter to Length of Post. M. & M., vol. 21, pp. 170 and 171. 1 column.

SETTING PROPS OR STULLS TIGHT OR LOOSE. M. & M., vol. 26, p. 70. ¾ column.

TIMBER AND TIMBERING. By J. H. Batcheller. E. & M. J., vol 78, p. 430, 6 columns, I.; p. 468, 6 columns, I.; p. 505, 4 columns, I.

TIMBERING IN DRIFT MINES. Min. & Sci. Press, vol. 78, p. 373. 1 column. I.

DRIFT TIMBERING. By W. H. Storms. Min. & Sci. Press, vol. 87, p. 219, 3 columns +, I.; p. 233, 1 column, I.; p. 290, 1 column +, I.

SET-TIMBERING IN DRIFT-MINING. Min. & Sci. Press, vol. 93, p. 145. I.

TIMBERING IN DRIFT MINES. Min. & Sci. Press, vol. 73, p. 65. 1¼ columns.

KINDS AND SIZE OF TIMBER USED IN SHAFTS ON THE RAND. T. I. M. & M., vol. 15, p. 337. 2 pages.

STULLS: Timber and Waste Rock in the Rand Mines. Witwatersrand Gold-Fields, p. 349. 6 pages. I.

SUPPORT OF ROOF IN RAND MINES: Level, Stope and Boundary Pillars. Witwatersrand Gold-Fields, p. 346. 4 pages.

METHODS OF RENEWING OLD TIMBERING AT THE DIVES-PELICAN MINE, SILVER PLUME, COLORADO. By J. F. McClelland. Sch. Mines Quart., vol. 26, p. 48. 14 pages. I.

TIMBERING AT THE DALY-JUDGE MINE. M. & M., vol. 28, p. 35. 1 column. I.

TIMBERING IN GOLD AND SILVER MINES. By F. T. Freeland. Coll. Engr. & Met. Miner, vol. 16, p. 100, 4 columns, I.; p. 123, 8 columns, I.

TIMBERING IN A COLORADO GOLD MINE. Min. & Sci. Press, vol. 85, p. 187. 1½ columns. I.

MINE TIMBERING IN THE OLD IRONSIDES AND KNOB HILL MINES. Min. & Sci. Press, vol. 85, p. 355, 3 columns, I.; p. 369, 1 column.

TIMBERING IN WEST AUSTRALIA GOLD MINES. Gold Min. & Mill. W. Aus., p. 180. 2 pages. I.

TIMBERING IN THE ISABELLA INCLINE. Min. & Sci. Press, vol. 70, p. 392. 1½ columns. I.

TIMBERING EMPLOYED IN BLOCKING OUT IN ALLUVIAL MINES. Min. & Sci. Press, vol. 47, p. 89. I.

METHODS OF TIMBERING IN THE GRANITE MOUNTAIN SILVER MINE. Coll. Engr. & Met. Miner, vol. 14, p. 120. 4 columns. I.

TIMBERING AT THE UTICA MINE, CALIFORNIA. M. & M., vol. 19, p. 428. 1 column. I.

TIMBERING (Methods of Getting and Handling) FOR THE GOLD-MINES OF ZARUMA, ECUADOR: The Travoy System of Hauling. T. A. I. M. E, vol. 30, p. 256.

Use of a Brick Arch for Supporting Roof, Silver Islet Mine (Proposed). E. & M. J., vol. 34, p. 322. Note.

Methods of Timbering in Eastern Oregon. M. & M., vol. 19, p. 14. 3 columns+. I.

Timbering at the Chillagoe Mines. By T. J. Greenway. E. & M. J., Mar. 16, 1905, p. 514. 3 columns. I.

Setting Timber in Anthracite Coal Mines. By J. H. Haertter. E. & M. J., vol. 84, p. 404. 12 columns. I.

Timbering in Coal Mines. P. C. M., vol. 2, p. 339. 9 pages. I.

Timbering in the North Staffordshire Iron Mines. T. I. M. E., vol. 27, p. 103. ¾ page. I.

Systematic Timbering at Emley Moor Collieries (Discussion). T. I. M. E., vol. 30, p. 550. 18 pages. I.

Anthracite Mine Timbers. M. & M., vol. 26, p. 421. 2 columns.

Systematic Timbering at Emley Moor Collieries. By H. Baddiley. T. I. M. E., vol. 29, p. 150. 3 pages. I.

Systematic Timbering at Emley Moor Collieries: Long-Wall. By H. Baddiley. E. & M. J., vol. 81, p. 321. 3½ columns. I.

Arch Timbering at Pit-Bottom Construction. Coll. Engr., vol. 10, p. 174.

Timbering and Packing in Mines. Coll. Engr., vol. 9, p. 122. 6½ columns. I.

The Balmer Pit-Prop. T. I. M. E., vol. 18, p. 431. 2 pages. I.

The Hepplewhite Tapered Pit-Props and Bars. By W. H. Hepplewhite. T. I. M. E., vol. 19, p. 8, 12 pages, I.; p. 106, 3 pages; vol. 20, p. 214, 4 pages; p. 264, 6 pages; vol. 21, p. 55, 3 pages; p. 258, 2 pages.

Systematic Timbering at the Babington Collieries. By G. and C. C. Fowler. T. I. M. E., vol. 21, p. 124. 12 pages. I.

Special Instructions in Timbering and Packing, Whitefield Colliery. T. F. I. M. E., vol. 4, p. 34. 1 page.

The Strength of Pit-Props: Tables of Tests. By H. Louis. T. I. M. E., vol. 15, p. 343, 22 pages, I.; p. 14, 5 pages.

Setting Post Timber at the Face. M. & M., May, 1901, p. 457.

Anthracite Timbering: An Abstract from an Article by a Practical Timberman of 25 Years' Experience. M. & M., Apr., 1905, p. 455. 5 columns.

Use of Steel Props in the Wyoming Valley Coal Mines. E. & M. J., vol. 84, p. 1170. 1 column.

Weldless Steel Pit-Props. T. I. M. E., vol. 27, p. 233. 1½ pages. I.

Note on the Employment of Iron Bars at No. 6 Pit. By M. Reumaux. Annl. Min. Rept. N. S. Wales, 1901, p. 117. 1½ pages. I.

The Use of Steel Props and Girders in Mines: Styles of Props, etc. By J. Ashworth. M. & M., vol. 27, p. 419. 2½ columns. I.

Metallic Mine Props in European Collieries. E. & M. J., vol. 81, p. 428. Note.

Steel Rail Pit Props. E. & M. J., vol. 53, p. 156. 1½ columns. I.

Failure of Iron Tubbing at the Baneux Colliery, Belgium. E. & M. J., vol. 37, p. 253. ⅔ column.

The Use of Steel Supports in Mines. E. & M. J., vol. 46, p. 365. ⅓ column.

The Employment of Iron Bars at the No. 6 Pit, Lens Colliery. By E. Reumaux. T. I. M. E., vol. 20, p. 206, 8 pages, I.; vol. 21, p. 223, 10 pages.

Use of Steel Girders and Props in Coal Mines. E. & M. J., vol. 64, p. 309. 1½ columns. I.

Mine Timbering at Lake Superior. By W. R. Crane. E. & M. J., vol. 82, p. 867. 6 columns. I.

TIMBERING COPPER MINES, LAKE SUPERIOR. M. & M., July, 1903, p. 537.

DEEP MINING IN THE LAKE SUPERIOR REGION. By F. W. McNair. Min. & Sci. Press, vol. 94, p. 275. 6½ columns. I.

TIMBERING AT BISBEE, ARIZONA, COPPER MINES. M. & M., vol. 27, p. 291. 1 column.

TIMBERING IN THE BUTTE, MONTANA, MINES. M. & M., vol. 21, pp. 103, 104, 105, 106.

CONSUMPTION OF TIMBER IN THE BUTTE MINES. By C. W. Goodale. E. & M. J., vol. 63, p. 160. ½ column.

MASONRY SUPPORTS FOR HANGING WALLS AT THE TILLY FOSTER IRON MINES. By L. G. Engel. Sch. Mines Quart., vol. 6, p. 289. 36 pages. I.

TIMBERING OF POCKET AND STATION IN MINNESOTA IRON MINES. T. A. I. M. E., vol. 27, pp. 372, 382.

TIMBERING METHODS IN NORTHERN MINNESOTA. T. A. I. M. E., vol. 27, pp. 363, 364, 367, 372, 373.

TIMBERING OF THE IRON ORE-MINES OF CUMBERLAND AND FURNESS. By J. L. Hedley and W. Leck. T. I. M. E., vol. 16, p. 281. 10 pages. I.

MINE TIMBERING IN THE OLD IRONSIDES AND KNOB HILL MINES. By H. P. DePencier. J. C. M. I., vol. 5, p. 424. 22 pages. I.

TIMBERING AT THE DAVIS PYRITES MINE, MASSACHUSETTS. E. & M. J., vol. 82, p. 676. 1½ columns.

TIMBERING AND SCALING IN THE HEMATITE MINES OF NEW YORK. E. & M. J., vol. 82, p. 554. ¾ column.

METHODS OF TIMBERING EMPLOYED AT THE BERTHA ZINC MINES, VIRGINIA. T. A. I. M. E., vol. 22, pp. 529, 530, 532, 534.

TIMBERING USED AT Le ROI MINE, BRITISH COLUMBIA. J. C. M. I., vol. 5, p. 421. I.

TIMBERING USED AT CENTER STAR MINE. J. C. M. I., vol. 5, p. 464. I.

TIMBERING IN ROSSLAND, BRITISH COLUMBIA. Min. & Sci. Press, vol. 90, p. 117. ⅓ column.

Tunnel Support

THE A-FRAME IN TUNNEL SUPPORT. J. W. Soc. E., vol. 6, p. 33. 4 pages. I.

TIMBERING THE MOUNT WOOD AND TOP MILL TUNNELS. J. W. Soc. E., vol. 2, p. 53. 4 pages. I.

NOTE ON TIMBERING ROADWAYS. By S. Mavor. T. I. M. E., vol. 35, p. 169. 4½ pages. I.

TIMBERING IN MEXICAN MINES: Tunnel Sets, Shaft Timbering, Square Sets, etc. Min. & Sci. Press, vol. 93, p. 443. 4 columns. I.

SIZE OF TIMBERS USED IN STRUTTING TUNNELS DRIVEN THROUGH DIFFERENT MATERIALS. Tunneling, Prelini, p. 51. 1 page. Table.

TUNNEL CENTERS. Tunneling, Prelini, pp. 62-67. 6 pages. I.

TIMBER FRAME FOR TUNNEL SUPPORT. Min. & Sci. Press, vol. 89, p. 324. ½ column. I.

STANDARD FORM OF TIMBERING IN THE SIMPLON TUNNEL. Min. & Sci. Press, vol. 90, p. 186. I.

TIMBERING IN THE NEWHOUSE TUNNEL. M. & M., vol. 27, p. 37. ¼ column.

INTERLOCKING POLING-BOARD FOR TUNNELING: Size, etc. Min. & Sci. Press, vol. 62, p. 23. ½ column.

SLOPE TIMBERING. Min. & Sci. Press, vol. 69, pp. 148, 149, 6 columns, I.; p. 183, 3 columns. I.

METHOD OF TIMBERING STALL OR GOAF-ROADS. M. & M., vol. 26, p. 135. I.

TIMBER AND GOAF-WALL (pack-wall) COMBINATION FOR GOAF-ROAD. M. & M., vol. 26, p. 134. I.

TIMBERING OF DRIFTS AND SHAFTS: Sutro Tunnel. E. & M. J., vol. 15, p. 72. 2 pages. I.

TUNNEL TIMBERING: Balgray and Partick Tunnel. Engineering, London, vol. 63, p. 612. I.

PROGRESSIVE TIMBERING OF TUNNEL (Croton Aqueduct) BY ENGLISH METHOD. T. A. I. M. E., vol. 19, p. 738.

METHODS OF LINING TUNNELS: Use of Timber, Iron, Iron and Masonry, and Masonry. Tunneling, Prelini, p. 68. 10 pages. I.

RELIEVING TIMBER-LINED TUNNELS WITH MASONRY: Methods of Lining Tunnels, Methods of Timbering or Strutting Tunnels. Tunneling, by C. Prelini.

METHOD OF REPAIRING WET TUNNEL ARCHES. E. & M. J., vol. 51, p. 350. ⅔ column. I.

RELINING TIMBER LINED TUNNELS: Boulder, Mullan, and Little Tom Tunnel. Tunneling, Prelini, p. 280. 10 pages.

METHOD OF RELINING THE HODGES' PASS TUNNEL, OREGON SHORT LINE RAILROAD. Eng.-Cont., vol. 27, p. 82. 6 columns+. I.

IRON TUNNELS. J. W. Soc. E., vol. 1, p. 557. 2 pages.

STEEL TUNNEL THROUGH PORTLAND MINE DUMP, GOLDEN CIRCLE RAILROAD, CRIPPLE CREEK, COLORADO. E. & M. J., vol. 66, p. 339. I.

TO REPLACE A BROKEN TUNNEL SET. M. & M., July, 1902, p. 561. Note.

REPLACING TIMBER SETS IN MINE ENTRIES. M. & M., Apr., 1902, p. 429.

Shaft-Lining, Timbering, Tubbing, Cementation, etc.

SHAFT SUPPORT. P. C. M., vol. 1, p. 137, 26 pages, I.; vol. 2, p. 161, 10 pages.

SHAFT CURBING. E. & M. J., vol. 23, p. 139, 1 column, I.; p. 156, 1½ columns; p. 170, 1⅔ columns; p. 159, 2 columns.

SHAFT TIMBERING. Min. & Sci. Press, vol. 94, pp. 246, 247. 4 columns. I.

SHAFT-TIMBERING AT ELY, NEVADA. Min. & Sci. Press, vol. 93, p. 630. I.

THE FRAMING OF RECTANGULAR SHAFT SETS. By W. E. Sanders. E. & M. J., vol. 77, p. 396 (–398). 7½ columns. I.

SHAFT TIMBERING. M. & M., vol. 28, p. 391. I.

SHAFT TIMBERING AT THE KENNEDY MINE. Min. & Sci. Press, vol. 90, p. 333. 2 columns. I.

SHAFT TIMBERING, HOMESTAKE. Min. & Sci. Press, vol. 88, p. 127. I.

TIMBERING SHAFTS ON THE RAND: Vertical, Inclined and Round. Witwatersrand Gold-Fields, p. 165. 24 pages. I.

SHAFT AND SLOPE TIMBERING IN THE PENNSYLVANIA ANTHRACITE FIELDS. The Anth. Coal Industry (Roberts), p. 25. 2 pages. I.

SHAFT TIMBERING, EMERSON SHAFT, CALIFORNIA, ALSO GUIDE SUPPORT. Min. & Sci. Press, vol. 79, p. 579. I.

LAGGING IN A MINE SHAFT. Min. & Sci. Press, vol. 77, p. 581. ½ column.

SHAFT TIMBERING. Min. & Sci. Press, vol. 69, p. 132. 6 columns. I.

SHAFT TIMBERING. Min. & Sci. Press, vol. 44, p. 329. ½ column.

ANTHRACITE COLLIERY SHAFT TIMBERING. Coll. Engr., vol. 13, p. 122. I.

TIMBERING PARKER SHAFT, FRANKLIN FURNACE, NEW JERSEY. M. & M., vol. 20, p. 481. 1 column+. I.

SHAFT TIMBERING, NO. 9 SHAFT, ASHLAND, MICH. T. L. S. M. I., vol. 9, p. 25. I.

DETAILS OF SHAFT TIMBERING, LEISENRING NO. 3 COLLIERY. Coll. Engr., vol. 10, p. 173. I.

SLOPE TIMBERING. 2d Geol. Survey, Pa., AC, p. 77. 7 pages. I.

TIMBERING SHAFTS (Vertical): Wall Plates and End Plates, Dividers, Guides, Studdles, Lagging, Fixing and Supporting Timbers, Hanging Bolts and Bearers. The Witwatersrand Gold-Fields, pp. 166–175. I.

SHAFT TIMBERING (Inclined): Sets and Timbering of the Angle Connection. The Witwatersrand Gold-Fields, pp. 178–184. I.

VARIOUS KINDS OF SHAFT LININGS, TUBBING, ETC. Mech. Eng. Coll., vol. 1, p. 68. 6 pages. I.

METHOD OF CRIBBING ATCHISON DEEP COAL SHAFT. E. & M. J., vol. 74, p. 109. I.

METHODS OF SHAFT TIMBERING. M. & M., vol. 21, p. 139. 2¾ columns. I.

TIMBERING MINE SHAFTS. Coll. Engr. & Met. Miner, vol. 15, p. 113. 3 columns. I.

SHAFT-TIMBERING, NEWCASTLE COAL MINES, COLORADO. Coll. Engr. & Met. Miner, vol. 17, p. 426. I.

SHAFT SINKING: Strength of Sinking Lining, etc. M. & M., June, 1901, p. 506.

SHAFT TIMBERING IN SOUTHEASTERN MISSOURI. M. & M., Nov., 1901, p. 149.

METHODS OF JOINING TIMBERS FOR SHAFT LINING: Examples. M. & M., Feb., 1902, p. 328.

SHAFT TIMBER NO. 5, TAMARACK: Sizes and Cost Given. T. L. S. M. I., vol. 7, p. 52. 2 pages. I.

ARRANGEMENT OF SHAFT TIMBERS, WEST VULCAN SHAFT. T. L. S. M. I., vol. 2, p. 106. I.

ON THE CRIB-SETTING OF A DEEP LEVEL SHAFT. By H. D. Griffiths. T. I. M. & M., vol. 13, p. 509. 8 pages. I.

"SQUARE-SETTING" VS. CRIBBING IN SHAFTS. Min. & Sci. Press, vol. 92, p. 155. ½ column.

TEMPORARY TIMBERING FOR CIRCULAR SHAFTS. Min. & Sci. Press, vol. 46, p. 361. I.

CIRCULAR-METAL SHAFT LINING. T. A. I. M. E., vol. 6, p. 139, etc.

CAST-IRON TUBBING: What is Its Rational Formula? By H. W. G. Halbaum. T. I. M. E., vol. 33, p. 567, 68 pages; vol. 35, p. 47, 24 pages.

THICKNESS OF TUBBING FOR SHAFTS. E. & M. J., vol. 82, p. 307. Note.

THE STRENGTH OF CAST-IRON TUBBING FOR DEEP SHAFTS. By J. Morrow. T. I. M. E., vol. 34, p. 100. 22½ pages.

STEEL SHAFT SETS AT THE PIONEER MINE, ELY, MINNESOTA. J. C. M. I., vol. 7, p. 356. 2 pages. I.

STEEL SHAFT SUPPORT: Construction. E. & M. J., vol. 84, p. 247.

CAST IRON TUBBING IN THE SHAFTS AT SIDNEY MINES, CAPE BRETON. By R. H. Brown. J. M. Soc. N. S., vol. 2, p. 158. 8 pages. I.

A PROCESS FOR CONSOLIDATING TUBBING AND RENDERING IT WATER-TIGHT BY THE INJECTION OF CEMENT. T. I. M. E., vol. 30, p. 651. 2 pages+.

THE APPLICATION OF DIRECT CEMENTATION TO SHAFT-SINKING. T. I. M. E., vol. 30, p. 654. 1 page.

THE APPLICATION OF DIRECT CEMENTATION IN SHAFT-SINKING. T. I. M. E., vol. 31, p. 113. 12½ pages. I.

FORM OF GERMAN TUBBING FOR SHAFTS. P. C. M., vol. 2, p. 163. 7 pages. I.

BRIEF DESCRIPTION OF STEEL LINING FOR SHAFT. By J. R. Thompson. T. L. S. M. I., vol. 10, p. 163. 2 pages. I.

A MINE SHAFT CASED WITH STEEL: Cripple Creek, Colorado. Min. & Sci. Press, vol. 77, p. 483. ½ column.

IRON SHAFT TUBBING, RUPTURE OF. Min. & Sci. Press, vol. 48, p. 302. ¾ column.

STEEL BRACES FOR SHAFT LINING. E. & M. J., vol. 73, p. 661. ⅔ column. I.

LAGGING SHAFT TIMBERS WITH WIRE-ROPE. T. L. S. M. I., vol. 7, p. 41. Note.

THE USE OF STEEL IN LINING MINE SHAFTS. By F. Drake. T. L. S. M. I., vol. 8, p. 34. 27 pages. I.

THE USE OF STEEL IN LINING MINE SHAFTS: Methods of Construction Employed by the Oliver Iron Mining Company in Michigan. By Frank Drake. M. & M., Oct., 1902, p. 128, 8 columns; Nov., 1902, p. 155, 6 columns.

Method of Suspending Temporary Iron Cribs (Rings) in Shaft Sinking. Mech. Eng. Coll., vol. 1, p. 66. I.

The Re-tubbing of the Middle Pit, Murton Colliery, 1903. By W. O. Wood. T. I. M. E., vol. 27, p. 197. 9 pages. I.

Temporary and Permanent Repair to a Colliery Shaft. E. & M. J., vol. 61, p. 133. 2 columns. I.

Square-Set Timbering

Square-Set Mining. M. & M., vol. 27, p. 435. 1 column. I.

Square-Set Timbering in the Eureka, Nevada, Mines. U. S. G. S., Monograph No. 7, p. 153. 5 pages. I.

Size of Square Set Timbers at Bingham, Utah (United States Mines). E. & M. J., vol. 81, p. 1191. Note.

Square-Set Timbering. M. & M., vol. 19, pp. 407, 425. I.

Square-Set Timbering at Bingham, Utah. By C. T. Rice. E. & M. J., vol. 82, p. 820. 3¾ columns. I.

Square-Sets in the Lake Superior Copper Mines. E. & M. J., vol. 82, p. 868. 3 columns. I.

An Improved Method of Framing Square Sets. Min. & Sci. Press, vol. 93, p. 177. 1½ columns. I.

Square-Set Timber and Joints. Coll. Engr. & Met. Miner, vol. 14, p. 80. 2 columns. I.

Illustration of Square Set Timbering at Aspen Mine, Colorado. Min. & Sci. Press, vol. 79, p. 492. I.

Mine Timbering (Square Set). Min. & Sci. Press, vol. 58, p. 181, I.; vol. 62, p. 377, 2 columns, I.

Square Set Practice at Bingham, Utah. By L. S. Cates. E. & M. J., vol. 78, p. 300. 8½ columns. I.

Square-Set Timbering in the Rudefeha Mine, Wyoming. E. & M. J., vol. 77, p. 122. I.

The Nevada System of Timbering Mines. Min. & Sci. Press, vol. 58, p. 181. ⅓ column. I.

Timbering the Mines: Comstock, Square Set., First Use (?) Min. & Sci. Press, vol. 34, p. 184. ½ column.

Square-Sets at the Utica Mine. T. A. I. M. E., special volume California Mines & Minerals, p. 106, I.

Square Set Timbering: Homestake Mine. Min. & Sci. Press, vol. 88, p. 166. 1 column. I.

Mine Timbering by the Square Set System at Rossland, British Columbia. By B. MacDonald. J. C. M. I., vol. 6, p. 128. 17 pages. I.

Mine Timbering: Square-Sets. M. & M., Apr., 1902, p. 408. 2½ columns.

Mining Timbering: Square Set. Min. & Sci. Press, vol. 52, p. 113, ¾ column, I.; p. 125, 3 columns, I.

Preservation of Mine Timber

Life of Timber: "Old Timber." E. & M. J., vol. 55, p. 346. Note.

Dry Rot in Timber. Min. & Sci. Press, vol. 39, p. 97. 1½ columns.

The Decay of Mine Timber. E. & M. J., vol. 72, p. 164. ½ column. I.

Preservation of Mine Timber from Decay. By J. M. Nelson. E. & M. J., vol. 83, p. 839. 6 columns. I.

Timber Preservatives. Min. & Sci. Press, vol. 94, p. 122. 1 column.

Strength of Timber Treated with Preservatives. Min. & Sci. Press, vol. 90, p. 53. 1½ columns. I.

Mine Timber: Its Choice and Preservation. By A. Lakes. M. & M., vol. 19, p. 427. 3 columns. I.

Preserving Mine Timbers. E. & M. J., vol. 39, p. 421, ¾ column, vol. 77, p. 732.

The Preservation of Wood from Fire and Decay. By J. L. Ferrell. J. W. Soc. E., vol. 9, p. 38. 5½ pages.

The Preservation of Mine Timber. M. & M., vol. 27, p. 460. 3 columns. I.

Preservation of Timber. By S. M. Rowe. J. W. Soc. E., vol. 4, p. 283. 5 pages.

Preservative Treatment of Timber. J. W. Soc. E., vol. 5, p. 100. 26½ pages.

Preservation of Timber. J. W. Soc. E., vol. 5, p. 198. 10½ pages.

Preservation of Timber from Decay: Bibliography. J. W. Soc. E., vol. 5, p. 253. 2 pages.

Factors which Cause the Decay of Wood. By H. Von Schrenk. J. W. Soc. E., vol. 6, p. 89. 14 pages. I.

Preservation of Mine Timber. E. & M. J., vol. 84, p. 31. 1½ columns.

Preservation of Timber by Use of Molten Sulphur. E. & M. J., vol. 82, p. 692. Note.

Life of Mine Timbers. Min. & Sci. Press, vol. 86, p. 177. 1½ columns.

Preservation of Timber with Sulphate of Copper. Min. & Sci. Press, vol. 18, p. 142. ½ column.

Coal Tar as a Wood Preservative. Min. & Sci. Press, vol. 19, p. 94. ½ column.

Preservation of Wood from Decay. Min. & Sci. Press, vol. 28, p. 7. 1 column.

The Preservation of Timber. Min. & Sci. Press, vol. 28, p. 183, ¼ column; p. 247, ⅔ column.

The Preservation of Timber. Min. & Sci. Press, vol. 33, p. 123. ½ column.

Preservation of Timber. Min. & Sci. Press, vol. 33, p. 367. ½ column.

Preservation of Mine Timber. Scientific American, Aug. 30, 1890.

The Preservation of Wood. E. & M. J., vol. 5, p. 17. ⅓ column.

The Preservation of Mine Timber. E. & M. J., vol. 26, p. 146. 1 column.

Art of Preserving Wood. By S. B. Brittan. Am. Jour. Min., vol. 4, p. 161, 1½ columns, I.; p. 170, ⅔ column.

Prevention of Breaking of Mine Timbers. Coll. Engr., vol. 11, p. 53. Note.

Effect of Preservative Agents on Mine Timber. E. & M. J., vol. 51, p. 633. ½ column.

The Preservation of Wood. E. & M. J., vol. 77, p. 1003. 1 column.

Strength and Preservation of Timber. T. I. M. E., vol. 16, p. 243.

The Nodon-Bretonneau Process of Seasoning and Preserving Timber and Other Fibrous Substances by Means of Electricity. By E. G. Vrequeray. T. I. M. E., vol. 17, p. 427. 6 pages.

The Treatment of Timber for Use in Mines. By R. Martin. T. F. I. M. E., vol. 10, p. 531. 6 pages.

Bark on Mine Timber. M. & M., Feb., 1902, p. 334.

Preservation of Mine Timbers. M. & M., Sept., 1904, p. 71.

The Hasselman Process for Preserving Mine Timbers. E. & M. J., vol. 66, p. 758. 1⅓ columns.

The Preparation of Timber for Underground Use. By J. Bateman. E. & M. J., vol. 64, p. 244. ⅓ column.

Jour. Brit. Soc. Min. Students, vol. 19, July 6, 1897.

Treatment of Timber for Use in Mines. E. & M. J., vol. 61, p. 543. 1⅙ columns.

Creosoted Timber. Min. & Sci. Press, vol. 35, p. 23. ⅓ column.

Creosoting Mine Timber. M. & M., vol. 26, p. 270. ⅓ column.

Quantity and Character of Creosote in Well-Preserved Timbers, Circ. 98; The Open-Tank Method of Treatment of Timber, Circ. 101; Seasoning of Telephone and Telegraph Poles, Circ. 103; Brush and Tank Pole Treatment, Circ. 104. U. S. Dept. Agriculture, Forest Service.

Seasoning Wood by Electricity. E. & M. J., vol. 67, p. 297. Note.

PHOTOGRAPHY FOR MINES AND TECHNICAL WORK

The Camera in Mining. M. & M., Feb., 1902, p. 307. ½ column.

Photography in Mining. By W. Magenau. E. & M. J., vol. 67, p. 502. 1¼ columns. I.

Photographing the Interior of a Coal-Mine. By F. P. Dewey. T. A. I. M. E., vol. 16, p. 307.

Underground Photography. By J. Underhill. E. & M. J., vol. 64, p. 125, 2 columns, I.; p. 157, I.

Underground Photography: Its Value; Suitable Instruments; Points in Regard to Different Methods of Lighting, etc. By G. W. Harris. M. & M., vol. 20, p. 64, 2 columns, I.; p. 144, 6½ columns, I.

Photography in Mines. By H. W. Hughes. T. F. I. M. E., vol. 7, p. 164. 15 pages. I.

Photography Underground. Min. & Sci. Press, vol. 34, p. 7. ½ column.

Photographic and Coördinate Surveying. By H. M. Stanley. T. A. I. M. E., vol. 20, p. 740.

Notes on the Field-Work of Photographic Surveying as Applied in Canada. By A. O. Wheeler. T. I. M. E., vol. 21, p. 418. 21 pages. I.

Photography in the Technology of Explosives. By A. Siersch. T. F. I. M. E., vol. 11, p. 2. 6 pages. I.

On a Simple Method of Coloring Photographs for Technical Purposes. By T. R. Archbard. T. I. M. & M., vol. 13, p. 533. 1½ pages. I.

Technical Photography. By F. Henins. P. E. Soc. W. Pa., vol. 22, p. 155. 14 pages. I.

Photographs of Flashes of Electric Detonators. By L. W. de Grave. T. I. M. E., vol. 15, p. 203. 4 pages. I.

POWER: STEAM, WATER, ELECTRICITY, AND GAS

General Application of Power

Economy in Power Installations. By C. Weiss. Engineering, London, vol. 66, p. 59. 7½ columns.

Power Utilized by Different Haulage Systems Underground. Min. & Sci. Press, vol. 49, p. 213. Table.

The Tractive Force of Miners. E. & M. J., vol. 75, p. 331.

The Work of a Horse. E. & M. J., vol. 62, p. 148. ¾ column.

Power Required for and Rate of Travel for Different Types of Conveyors. The Mechanical Handling of Material, p. 91. Tables.

Power Necessary for Different Parts of Mill. Min. & Sci. Press, vol. 71, p. 372. Table.

Power Required for Stamps and Crushers in Stamp Mill. M. & M., vol. 19, p. 183. Table.

Horse-Power of Stamp Batteries. Min. & Sci. Press, vol. 88, p. 179. ½ column. D.

Power Required by Stamps. By A. W. Warwick. Min. & Sci. Press, vol. 82, p. 103. 3½ columns. I.

Stamp Mill Steam Practice. Min. & Sci. Press, vol. 82, p. 113. 2 columns+.

Power Required by Stamps. Min. & Sci. Press, vol. 82, p. 178, 1½ columns; and p. 220, 1½ columns.

Power Necessary for Pumping. Min. & Sci. Press, vol. 81, p. 3. Note.

Power Plants for the Following Tunnels: Sonstein, Austria; Pfaffensprung, Switzerland; and Arlberg, Austria. Min. & Sci. Press, vol. 48, p. 306. 1 column.

Power in Arid Regions. Min. & Sci. Press, vol. 89, p. 186. 1½ columns.

Locomotive vs. Horse Power. Min. & Sci. Press, vol. 36, p. 290. ⅔ column.

Cheap Railroads: Facts About Railroads, Weight, Hauling Force, etc. Min. & Sci. Press, vol. 38, p. 178. 2½ columns.

Power Needed in Operating the Cable Road on the Brooklyn Bridge. By A. H. Mathesius. E. & M. J., vol. 38, p. 427. 1 column.

Horse-Power for 10-Stamp Battery. E. & M. J., vol. 77, p. 647. ½ column. D.

Steam Boilers and Power Plants

Coal Handling Machinery and Its Application to Steam Power Plants. By T. F. Webster. P. E. Soc. W. Pa., vol. 19, p. 229. 22 pages. I.

Hampton Boiler Plant: Description of a New Boiler Plant of the D., L. & W. Coal Mining Department at Scranton, Pa. M. & M., Mar., 1901, p. 337. 6½ columns.

Underground Boiler Plants at Pratt Coal Mines in Alabama: Method of Installation; Some of the Advantages Realized from the Arrangement. By E. Ramsey. M. & M., Sept., 1904, p. 62. 3 columns. I.

Boiler Plant at Shaft No. 1, Pratt Mines, Alabama. T. A. I. M. E., vol. 19, p. 312, plate III.

Sterling and Other Water-Tube Boilers as Applied to Collieries and Coking-Plants. By J. M. Johnson. T. I. M. E., vol. 35, p. 98. 16 pages. I.

Boilers for Colliery Purposes. By F. C. Swallow. T. I. M. E., vol. 32, p. 320. 10 pages.

Steam Boilers for Power Plants. By W. D. Chester. P. E. Soc. W. Pa., vol. 19, p. 779. 13 pages.

A Simple Method of Determining of Condition, with Suggestions on Working Furnaces. By A. Bement. J. W. Soc. E., vol. 6, p. 204. 16 pages. I.

The Sectional Boiler. By R. A. Marshall. T. N. S. I. M. & M. E., vol. 2, p. 108. 7½ pages. I.

Colliery and Ironworks Boilers. (With Formulæ for Thickness.) By J. Brown. T. N. S. I. M. & M. E., vol. 1, p. 143. 12 pages.

Colliery Engineering Progress: Early Practice in Smoke Prevention; A Description of the Lancashire Boiler, Its Proportions and Methods of Construction. By C. M. Percy. M. & M., May, 1902, p. 459. 4 columns.

Water-Tube Boilers. By A. Sterling. T. F. I. M. E., vol. 9, p. 2. 11 pages. I.

The Wear and Tear of Steam Boilers Due to Expansion and Contraction: Strains. By J. C. Jefferson. T. F. I. M. E., vol. 4, p. 276. 16 pages.

The Economical Working of Steam Boilers at Collieries. By W. Armstrong and W. J. Bird. T. F. I. M. E., vol. 1, p. 309. 20 pages. I.

Water Tube Boilers. By W. T. Bonner. T. F. C. M. I., vol. 1, p. 127. 17 pages. I.

The Suppression of Smoke from Steam Boilers. By A. Bement. E. & M. J., vol. 82, p. 875. 4¼ columns. I.

Setting Back Bulges in Furnaces. Engineering, London, vol. 66, p. 93. ½ column. I.

Steam Boilers for Mining Purposes. By W. Kent. Coll. Engr. & Met. Miner, vol. 17, pp. 347, 389, 439, 499, 533. I.
M. & M., vol. 18, pp. 15, 106, 157, 217, 255, 304, 351, 412, 458, 493, 560; and vol. 19, pp. 31, 63, 106, 111, 178.

Power Plants: Steam Boilers and Engines and Oil Engines. Machinery for Metalliferous Mines, p. 41. 34 pages.

THE FLANNERY BOILER SETTING FOR THE PREVENTION OF SMOKE. By C. A. Ashburner. T. A. I. M. E., vol. 10, p. 212.

HEAT RECUPERATION AND WASTE-HEAT BOILERS. E. & M. J., Mar. 2, p. 414, 1905. 3 columns.

THE HEINE SAFETY-BOILER. By E. D. Meier. T. A. I. M. E., vol. 14, p. 941.

WATER-TUBE STEAM-BOILERS AT THE LUCY FURNACES, PITTSBURG, PENNSYLVANIA. By W. Kent. T. A. I. M. E., vol. 13, p. 45.

THE EFFICIENCY OF A STEAM-BOILER USING THE WASTE GAS OF A BLAST-FURNACE AS FUEL. By D. S. Jacobus. T. A. I. M. E., vol. 17, p. 50.

SELECTION OF BOILERS. By Chas. L. Hubbard. M. & M., May, 1903, p. 469.

THE RUST WATER-TUBE BOILER. M. & M., Nov., 1904, p. 176.

ON GAS-FIRED BOILERS. By F. J. Rowan. Coll. Engr., vol. 10, p. 52, 5½ columns, I.; and p. 88, 7 columns, I.

ON GASEOUS FUEL. Coll. Engr., vol. 10, p. 90, 5½ columns; p. 114, 6 columns; p. 126, 3½ columns, I.; p. 150, 3½ columns, I.

FIRE-BRICK WORK FOR BOILER SETTING. By R. P. King. E. & M. J., vol. 81, p. 805. 2 columns. I.

THE LUNKENHEIMER PLUG FOR BOILERS. M. & M., June, 1902, p. 507. ⅔ column.

Steam Engine Calculations, Tests and Horse-Power

THE PROPORTIONS OF CYLINDERS FOR MULTIPLE EXPANSION ENGINES. By A. Hanssen. Engineering, London, vol. 71, p. 588. 5 columns. I.

CURRENT PRACTICE IN ENGINE PROPORTIONS. By J. H. Barr. Engineering, London, vol. 64, p. 634, 6½ columns, I.; p. 666, 8 columns. I.

ALTITUDE AS A FACTOR IN ENGINE AND BOILER DESIGN. By L. Duncan. E. & M. J., Mar. 30, 1905, p. 601. 2 columns.

AN ILLUSTRATION OF THE LINES OF WEAKNESS IN CYLINDERS. By R. H. Richards. T. A. I. M. E., vol. 11, p. 234.

INDICATOR CARDS. By W. D. L. Hardie. J. C. M. I., vol. 8, p. 285. 4½ pages. I.

INERTIA IN GAS AND STEAM ENGINES. By A. T. Kasley. P. E. Soc. W. Pa., vol. 20, p. 344. 11 pages. I.

STEAM-ENGINE RESEARCH. By D. S. Capper. Engineering, London, vol. 79, p. 393, 9 columns, I.; p. 423, 13½ columns, I.; p. 455, 13 columns, I.

HIGH EXPANSION RATIOS, INTERNAL WORK, STEAM CONSUMPTION, ETC., OF STEAM ENGINES. Min. & Sci. Press, vol. 81, p. 3. Note.

TO DETERMINE POINT OF CUT-OFF IN STEAM ENGINES, THE EXHAUST PRESSURE BEING KNOWN. Min. & Sci. Press, vol. 84, p. 45. Note.

INFLUENCE OF CUT-OFFS ON ENGINES. Min. & Sci. Press, vol. 40, p. 54. 5 columns.

TO ASCERTAIN HORSE-POWER OF AN ENGINE HAVING GIVEN: MEAN EFFECTIVE PRESSURE, DIAMETER OF PISTON, LENGTH OF STROKE, AND REVOLUTIONS PER MINUTE. M. & M., vol. 26, p. 334.

CALCULATE THE SIZE OF A DUPLEX, SIMPLE ENGINE REQUIRED TO DO A CERTAIN DUTY. M. & M., Dec., 1901, p. 235.

HOW TO MEASURE THE HORSE-POWER OF AN ENGINE. Coll. Engr., vol. 13, p. 41. Note.

RULE FOR FINDING POWER OF STEAM ENGINES. Rept. Inspr. Mines Pa., 1873. p. 62. ⅙ page.

SHORT-STROKE STEAM ENGINES. By J. S. Raworth. Engineering, London, vol. 63, p. 157, 5 columns, I.; p. 218, ½ column; p. 486, ⅓ column.

THE DIESEL HEAT ENGINE. E. & M. J., vol. 66, p. 10. 2 columns. I.

CALCULATION OF HORSE-POWER OF A WIND-MILL. Min. & Sci. Press, vol. 85, p. 173. Note.

CALCULATION OF POWER OF GAS ENGINE. Min. & Sci. Press, vol. 82, p. 47. Note.

ABOUT HORSE-POWER: Comparison of Units in Different Countries. Min. & Sci. Press, vol. 39, p. 370. ¼ column.

MUSCLE AND GUNPOWDER. Min. & Sci. Press, vol. 31, p. 339. ⅔ column.

TEST OF AN OIL ENGINE WITH STEAM INJECTION. By C. Wineburg and S. J. Goldwater. Thesis to Cornell Univ., 1904. Min. Mag., Dec., 1904, p. 405. 1½ columns.

THE WEAKEST LINKS: Parts of Engines Most Liable to Breakdowns. Engineering, London, vol. 70, p. 375. 2¾ columns.

INCREASING STEAM-ENGINE EFFICIENCY. By F. H. Mason. M. & M., vol. 21, p. 141. 2 columns. I.

STEAM ENGINE ECONOMY. Min. & Sci. Press, vol. 82, p. 180. ⅔ column.

THE PRACTICAL WORK OF ENGINES. Coll. Engr., vol. 12, p. 130, 1 column; and p. 153, 2 columns.

STUFFING-BOXES DISPENSED WITH ON ENGINES AND PUMPS. By A. Watson. T. I. M. E., vol. 25, p. 259. 6 pages. I.

LAYING UP AN ENGINE. M. & M., vol. 20, p. 494. ⅓ column.

Gas and Oil Engines

GAS AND GASOLINE ENGINES AS APPLIED TO SMALL WATER WORKS PLANTS. By C. O. Rogers. P. E. Soc. W. Pa., vol. 14, p. 85. 16 pages. I.

NOTES ON LARGE GAS-ENGINES BUILT IN GREAT BRITAIN AND UPON GAS-CLEANING. By T. Westgarth. T. A. I. M. E., vol. 37, p. 796. 16 pages. I.

GAS-ENGINE PRACTICE. T. A. I. M. E., vol. 37, p. 924. 12 pages.

HIGH POWER GERMAN GAS-ENGINES. E. & M. J., vol. 80, p. 544. 1⅕ columns.

THE SERGEANT COMPLETE EXPANSION GAS ENGINE. E. & M. J., vol. 78, p. 995. 3⅓ columns. I.

THE BISULPHIDE OF CARBON ENGINE. By W. P. Trowbridge. Sch. Mines Quart., vol. 7, p. 210. 7 pages. I.

TEST OF BLAST-FURNACE GAS ENGINE. By H. Hubert. E. & M. J., vol. 82, p. 302. 3 columns.

GAS AND GASOLINE ENGINES: Their Adaptability to Mining Work and Their Merits Compared with Other Motors. By E. W. Roberts. M. & M., vol. 18, p. 196. 6¼ columns. I.

THE MCGEORGE GAS ENGINE. E. & M. J., vol. 59, p. 10. 1½ columns. I.

GAS ENGINES FOR MINING WORK. E. & M. J., vol. 57, p. 266, 1 column; vol. 60, p. 414, 1 column.

A GASOLINE ENGINE MINING PLANT. E. & M. J., vol. 64, p. 41. ½ column. I.

GAS ENGINES IN MINING PLANTS. E. & M. J., vol. 64, p. 2. 1 column.

GASOLINE ENGINES FOR BORING WELLS. E. & M. J., vol. 69, p. 374. ¾ column.

GAS ENGINE POWER PLANTS. By I. A. Chandler. Min. Mag., Oct.-Nov., 1904, p. 284. 14 columns. I.

RECENT GERMAN GAS ENGINES. E. & M. J., Mar. 9, 1905, p. 461. 5 columns. I.

GAS POWER AS A FACTOR IN MINE ECONOMICS. By A. Burnett. E. & M. J., vol. 84, p. 914. 11 columns. I.

ECONOMY OF GAS POWER PLANTS FOR COLLIERIES. By F. E. Junge. E. & M. J., vol. 83, p. 796. 8½ columns. D.

TO DETERMINE THE HORSE-POWER OF GAS ENGINES. By W. H. Kreitzer. Min. & Sci. Press, vol. 88, p. 194. ⅔ column. I.

THE OIL MACHINE (Engine). By Geo. Richmond. Sch. Mines Quart., vol. 18, p. 135. 13½ pages. I.

NOTES ON THE WORKING OF THE PRIESTMAN OIL ENGINE. By W. H. Wain. T. F. I. M. E., vol. 3, p. 258. 8 pages. I.

THE PRIESTMAN OIL ENGINE. E. & M. J., vol. 67, p. 85. 1½ columns. I.

OIL ENGINES AS PUMP MOTORS UNDERGROUND. By E. L. Kerr. E. & M. J., vol. 68, p. 667. 1¼ columns. I.

OIL ENGINES IN MINING AND MILLING. By A. W. Warwick. Min. & Sci. Press, vol. 82, p. 156. 4½ columns. I.

DEVICE FOR STARTING AN OIL ENGINE. Min. & Sci. Press, vol. 82, p. 157. I.

A GERMAN BLOWING ENGINE. E. & M. J., vol. 68, p. 100. 2 columns. I.

AN ENGLISH GAS ENGINE FOR BLOWING. E. & M. J., vol. 71, p. 529. ¾ column. I.

A BLOWING ENGINE OPERATED BY BLAST FURNACE GASES. E. & M. J., vol. 69, p. 171. 1⅓ columns. I.

See Blowing Engines under COMPRESSED AIR.

Horse-Power, Tests, and Calculation of Boilers

NOMINAL AND ACTUAL HORSE-POWER: Size of Steam Boilers. Am. Jour. Min., vol. 7, p. 56. 1½ columns.

HORSE-POWER OF BOILERS. Min. & Sci. Press, vol. 69, p. 376. ¾ column.

HEAT UNITS AND HORSE-POWER OF BOILER. Min. & Sci. Press, vol. 69, p. 393. 1½ columns.

HORSE-POWER OF BOILERS. Min. & Sci. Press, vol. 48, p. 141. ½ column.

HORSE-POWER OF A STEAM BOILER. Min. & Sci. Press, vol. 74, p. 329. ⅓ column.

CALCULATION OF HORSE-POWER OF BOILERS OF VARIOUS KINDS. Min. & Sci. Press, vol. 81, p. 119. Note.

LOSS IN CONVERTING STEAM POWER INTO COMPRESSED AIR. M. & M., June, 1901, p. 517.

HEAT ABSORPTION OF STEAM BOILERS. By W. T. Ray and H. Kreisinger. M. & M., vol. 28, p. 446. 4½ columns. I.

AIR IN RELATION TO BOILER-FEEDS. By J. A. Smith. Engineering, London, vol. 78, p. 486. 7½ columns. I.

CHEAP STEAM PRODUCTION. Engineering, London, vol. 79, p. 25, 1¾ columns; and p. 60, ¼ column.

WORK OF STEAM USED EXPANSIVELY: Calculations. Rept. Inspr. Mines Pa., 1873, p. 60. 2 pages. D.

RULE FOR FINDING SAFE WORKING PRESSURE OF STEAM-BOILERS. Min. & Sci. Press, vol. 40, p. 179. ¼ column.

ROUGH CALCULATION OF NUMBER OF BOILERS REQUIRED FOR THE VARIOUS PURPOSES OF WINDING, PUMPING, VENTILATING, HAULING, ETC. Mech. Eng. Coll., vol. 1, p. 81.

A GRAPHICAL METHOD OF SHOWING THE RELATIVE ANNUAL EFFICIENCY OF A STEAM PLANT. By H. F. J. Porter. Sch. Mines Quart., vol. 12, p. 27. 12 pages. D.

CALCULATION OF STEAM REQUIRED PER HORSEPOWER PER HOUR. M. & M., Apr., 1902, p. 426.

COMPARATIVE TESTS OF STEAM BOILERS WITH DIFFERENT KINDS OF COAL. By C. E. Emery. J. W. Soc. E., vol. 1, p. 89. 7 pages.

THE VARYING EVAPORATIVE POWER OF BOILERS. Min. & Sci. Press, vol. 23, p. 370. 1¾ columns.

BOILER HORSE-POWER RATING. E. & M. J., vol. 72, p. 324. ½ column.

BOILER TRIALS WITH OIL FUEL. The Engineering Record, Aug. 6 and 13, 1904.

Min. Mag., Oct.-Nov., 1904, p. 315. 1¼ columns.

RESULTS OF STEAM-MEASUREMENTS OF THE UNITED STATES GEOLOGICAL SURVEY. By F. H. Newell. T. A. I. M. E., vol. 20, p. 547.

Superheated and Wet Steam

SUPERHEATED STEAM. By J. L. Moore. P. E. Soc. W. Pa., vol. 21, p. 215. 12 pages.

SOME EXPERIENCES AND RESULTS DERIVED FROM THE USE OF HIGHLY SUPERHEATED STEAM IN ENGINES. By R. Lenke. T. I. M. E., vol. 27, p. 606. 6½ pages.

ECONOMY OF HIGHER STEAM PRESSURES. J. W. Soc. E., vol. 2, p. 364. 2½ pages.

THE USE OF SUPERHEATED STEAM. By S. Bull. J. W. Soc. E., vol. 8, p. 691. 25½ pages. I.

GAUGE PRESSURE, SUPERHEATED AND DRY STEAM. E. & M. J., vol. 82, p. 927. Note.

INCREASE OF PRESSURE IN STEAM BY SUPERHEATING. Rept. Inspr. Mines Pa., 1873, p. 58. Table.

WET STEAM. By W. H. Edgar. Min. & Sci. Press, vol. 81, p. 65. ¾ column.

THE RISE IN STEAM PRESSURES. Min. & Sci. Press, vol. 75, p. 53. Note.

SUPERHEATED STEAM. By Paul Schou. Engineering, London, vol. 66, p. 797. 4 columns.

SUPERHEATED STEAM AT SEGHILL COLLIERY. By C. C. Leach. T. I. M. E., vol. 24, p. 538. 10 pages. I.

THE USE OF HIGH-PRESSURE STEAM AS A POSSIBLE SUBSTITUTE FOR GUNPOWDER OR OTHER DANGEROUS EXPLOSIVES IN COAL-MINING. By H. Scham. T. I. M. E., vol. 16, p. 331. 4 pages. I.

Boiler Feed-Water

NOTES ON THE FEED-WATER OF COLLIERY-BOILERS. By A. E. Cooke. T. I. M. E., vol. 32, p. 31. 9 pages. I.

WATER SOFTENING FOR BOILER USE. By T. W. Snow. J. W. Soc. E., vol. 10, p. 745. 15½ pages. I.

ON THE CORROSIVE ACTION OF BOILER-FEED WATER. By F. H. Mason. J. M. Soc. N. S., vol. 8, p. 73. 13 pages.

TESTS OF THE QUALITY OF WATER FOR STEAMING PURPOSES. Coll. Engr., vol. 9, p. 234. 2 columns.

ON FEED-WATER HEATERS. E. & M. J., vol. 78, p. 94. 2 columns.

THE PURIFICATION OF BOILER FEED WATERS. By F. Wyatt. E. & M. J., vol. 60, p. 220. 1½ columns.

WATER SOFTENING PLANTS. E. & M. J., vol. 67, p. 144. 2¾ columns. I.

PURIFICATION OF WATER FOR THE PRODUCTION OF STEAM. By J. O. Handy. Electrical Review, Nov. 12, 1904.

Min Mag., Feb., 1905, p. 167.

THE SCIENTIFIC TREATMENT OF BOILER FEED WATER. By J. H. Parsons. E. & M. J., vol. 67, p. 443. 1¾ columns. I.

WATER-SOFTENING PLANT AT LANGWITH COLLIERY: A Description of the Process and Apparatus by which very Hard Water was Purified. By J. G. Shearer. M. & M., Apr., 1901, p. 392. 2 columns.

Condensers for Steam

CRAIG AND BREVOORT'S PATENT CONDENSER FOR STEAM PUMPS. Min. & Sci. Press, vol. 23. 1⅞ columns. I.

THE WORTHINGTON INDEPENDENT CONDENSER. E. & M. J., vol. 47, p. 209. 1 column. I.

THE WORTHINGTON INDEPENDENT CONDENSER. Coll. Engr., vol. 9, p. 196. 4 columns. I.

DISPOSITION OF EXHAUST STEAM FROM MINE PUMPS: Pump Condenser. M. & M., vol. 26, p. 204. 2 columns. I.

A Large Coal Mine: An Instance of Carrying the Exhaust Steam to the Surface through a Bore-Hole; Annular Space between Casing and Steam Pipe Passage for Exhaust. E. & M. J., vol. 66, p. 304. Note.

The Application of Condensers to Winding Engines. By W. Freakley. T. I. M. E., vol. 17, p. 242. 4 pages.

Sinking-Pump Condensers. By E. M. Coryell. E. & M. J., vol. 80, p. 697. 2 columns. I.

Notes on Fouche's Aero-Condenser. By A. L. Simon. T. I. M. & M., vol. 7, p. 74. 2½ pages.

Morton's Ejector Condenser for Steam Engines without an Air-Pump. By P. Dunlop. T. N. S. I. M. & M. E., vol. 2, p. 57. 8 pages. I.

Morton's Experiments on Fluid Jets and Induced Currents Relating to the Ejector Condenser. By P. Dunlop. T. N. S. I. M. & M. E., vol. 2, p. 95. 4 pages.

Condensing-Plant for Winding-Engines. By B. Woodworth. T. I. M. E., vol. 25, p. 156. 5 pages. I.

Central Condensing Plants for Collieries. By J. D. Crighton. T. I. M. E., vol. 25, p. 77. 14 pages. I.

Steam Turbine Condensing Outfits. M. & M., Oct., 1904, p. 123.

The Worthington Condenser. E. & M. J., vol. 56, p. 620. 1 column. I.

Consumption of Steam, Waste, etc.

Steam Consumption of a Modern Hoisting Plant. By S. Powell. E. & M. J., vol. 82, p. 490. 8 columns. I.

Consumption of Steam in Mine Plant. T. A. I. M. E., Bethlehem Meeting, Feb., 1906, p. 1304. Table.

Steam Consumption in Winding Engines. Mech. Eng. Coll., Futer's, p. 158. 4 pages.

Waste of Steam. Min. & Sci. Press, vol. 62, p. 71. ⅕ column.

Economy of Steam Practically Obtainable in Winding Engines Combined with Efficiency. By Ben. Woodworth. T. N. S. I. M. & M. E., vol. 9, p. 158, 5 pages, I.; p. 164, 3 pages; p. 219, 2 pages; p. 223, 4 pages; and p. 261, 7 pages.

Fuel Losses in Steam Plants and How to Determine Them. By George H. Barrus. The Electrical Age, Mar., 1904.

The Economical Use of Steam in Colliery Engines. By J. McLaren. T. F. I. M. E., vol. 2, p. 344. 7 pages.

Feed Water Heater. E. & M. J., vol. 78, p. 293. 3 columns.

The Utilization of Exhaust Steam from Rolling Mill Engines, Hoisting Engines, Steam Hammers, etc., by Means of Steam Regulators and Low-Pressure Turbines on the Rateau System. By L. Batter. T. L. S. M. I., vol. 11, p. 50. 25 pages. I.

The Utilization of Exhaust-Steam by the Combined Application of Steam-Accumulators and Condensing Turbines. By A. Rateau. T. I. M. E., vol. 24, p. 322. 30 pages. I.

Feed-Water Heaters for Boilers

Exhaust Steam Boiler Feed Water Heaters. By W. D. L. Hardie. J. C. M. I., vol. 7, p. 505. 27 pages. I.

Stillwell's Feedwater Heater. M. & M., vol. 20, p. 394. ⅔ column. I.

A Home Made Boiler Feed Water Heater. E. & M. J., vol. 77, p. 1009. 1½ columns. I.

Notes on a Water-Heater Recently Erected at Cadzow Colliery, England: Advantages of Use. T. I. M. E., vol. 15, p. 130. 3 pages. I.

Heating and Purifying Feedwater. M. & M., Aug., 1903, p. 40.

Mechanical Feeders for Steam Boilers

MECHANICAL DEVICES AS APPLIED TO FIRING STEAM BOILERS. By W. E. Snyder. P. E. Soc. W. Pa., vol. 15, p. 333. 28½ pages.

SOME PERFORMANCES OF BOILERS AND CHAIN GRATE STOKERS, WITH SUGGESTIONS FOR IMPROVEMENT. By A. Bement. J. W. Soc. E., vol. 9, p. 44. 39 pages. I.

THE FIRING OF BABCOCK AND OTHER BOILERS BY WASTE-HEAT FROM COKE-OVENS. By T. Y. Creener. T. I. M. E., vol. 29, p. 362. 18 pages.

THE JONES UNDERFEED STOKER. M. & M., May, 1904, p. 473. I.

FIRING A STEAM BOILER. M. & M., Nov., 1902, p. 180. 3½ columns.

A COAL-DUST-BURNING SYSTEM. M. & M., Dec., 1902, p. 221. 1¼ columns.

BURNING COKE BREEZE WITH UNDERFEED STOKERS. By M. E. Malone. Ohio Gas Light Assoc., 20th Annl. Meeting, Cleveland, Ohio., Mar., 1904.

Min. Mag., Dec., 1904, p. 407, 3 columns.

THE USE OF PULVERIZED COAL FOR FUEL UNDER STEAM BOILERS. By J. M. Sweeney. J. W. Soc. E., vol. 9, p. 141. 19 pages. I.

POWDERED COAL FIRING FOR STEAM BOILERS. By G. E. McFarlane. E. & M. J., vol. 81, p. 901. 4 columns. I.

COAL DUST FOR FUEL. Min. & Sci. Press, vol. 32, p. 291. 1¼ columns.

THE USE OF PULVERIZED FUEL. E. & M. J., vol. 11, p. 401. 4 columns.

POWDERED COAL FOR FIRING STEAM-BOILERS: Wegener and Other Systems. By B. Donkin. T. F. I. M. E., vol. 11, p. 321. 18 pages. I.

THE FRIEDEBERG APPARATUS FOR BURNING COAL DUST. E. & M. J., vol. 59, p. 127. ⅞ column. I.

COAL-DUST FIRING IN REVERBERATORY FURNACES. E. & M. J., vol. 80, p. 110. 1½ columns.

COAL DUST FIRING. E. & M. J., vol. 65, p. 344. ⅓ column.

THE USE OF THE MCCLAVE GRATE AND ARGAND STEAM-BLOWER IN UTILIZING SMALL SIZES OF ANTHRACITE OR BITUMINOUS SLACK, IN BOILER AND SIMILAR FURNACES. By R. J. Foster. T. A. I. M. E., vol. 20, p. 628.

BOILER FIRING WITH WASTE HEAT FROM COKE-OVENS. E. & M. J., vol. 79, p. 1180. 4 columns. Table.

See WASTE OF COAL AND ITS UTILIZATION, ALSO CONSUMPTION AND WASTE OF COAL.

The Central Power Plant

THE CENTRAL POWER PLANT. By W. L. Affelder. M. & M., vol. 28, p. 363. 2½ columns. I.

THE CENTRALIZATION OF POWER PRODUCTION ON THE RAND. By E. Walker. E. & M. J., vol. 83, p. 950. 1¾ columns.

ISOLATED PLANT ENGINEERING. By P. A. Bates. Sch. Mines Quart., vol. 27, p. 269. 16 pages.

CENTRAL STATIONS VS. ISOLATED PLANTS. By W. P. MacKenzie. Am. Inst. Elect. Engrs., May 9, 1904.

A CENTRAL ELECTRIC POWER PLANT OF THE COAL-MINING DEPARTMENT OF THE DELAWARE, LACKAWANNA & WESTERN RAILROAD COMPANY AT SCRANTON. By H. M. Warren. M. & M., Dec., 1903, p. 197.

CENTRAL ELECTRIC DRIVE FOR COLLIERIES. By F. E. Junge. E. & M. J., vol. 83, p. 704. 8¾ columns

CENTRAL ELECTRIC STATION OF THE DAVIS COAL AND COKE COMPANY. By T. W. Sprague. E. & M. J., vol. 63, p. 91. 2½ columns. I.

A CENTRAL STATION IN MINING WORK. By T. W. Sprague. E. & M. J., vol. 68, p. 245. 2¾ columns. I.

Steam Pipes and Coverings

Pipe Line for Steam: Steam Pressure, Expansion Joints, etc., for a Given Length of Pipe. M. & M., June, 1901, p. 505.

Steam Pipes in Shafts. By R. D. O. Johnson. E. & M. J., vol. 81, p. 173. 3½ columns. I.

Steam Pipes for Collieries. By E. F. C. Davis. E. & M. J., vol. 48, p. 473. ½ column. I.

Covering for Boilers and Steam Pipes. E. & M. J., vol. 80, p. 64, ½ column; and p. 102. Note.

Non-Conductors for Steam Pipes. E. & M. J., vol. 50, p. 650. 1½ columns.

Radiation of Heat from Uncovered Steam Pipes and Fuel Loss Resulting: Comparison of Various Forms of Pipe Coverings. E. & M. J., vol. 76, p. 803. Note.

Experiments on the Efficiency of Non-Conducting Coverings for Steam-Piping. By W. N. Bolam and T. Grieve. Engineering, London, vol. 76, p. 171. 5½ columns. I.

Pipe Covering Tests: A Comparison of the Amount of Condensation in Bare Steam Pipes and Those Covered by Various Coverings. By Geo. H. Barrus. M. & M., Apr., 1902, p. 393. 3 columns.

Sectional Tile Conduits for Steam Pipes. E. & M. J., vol. 83, p. 281. 1 column. I.

An Emergency Steam Trap. M. & M., July, 1904, p. 591.

Scale and Boiler Compounds

Zinc Slabs to Prevent Formation of Scale. Min. & Sci. Press, vol. 82, p. 3. Note.

Zinc as a Preventive of Boiler Incrustation. Min. & Sci. Press, vol. 31, p. 375. ⅓ column.

Injecting a Boiler Compound. By J. A. Snyder. M. & M., vol. 20, p. 437. ⅓ column. I.

The Use of Boiler Compounds. By W. M. Booth. E. & M. J., vol. 80, p. 253. 1½ columns.

Soda Salts as Boiler Compounds. By W. H. Edgar. M. & M., vol. 21, p. 129. 2½ columns.

Boiler Scale. M. & M., Aug., 1903, p. 23.

Boiler Corrosion: What Corrosion is; Different Causes and Various Means by which it may be Remedied or Prevented. M. & M., Sept., 1903, p. 79. 5 columns.

Consumption and Waste of Coal

The Purchase of Coal under Specification. By J. E. Woodwell. M. & M., vol. 28, p. 83. 8 columns.

Consumption of Coal per Horse-Power. E. & M. J., vol. 81, p. 1198. Note.

The Consumption of Fuel in the Taylor Gas-Producer Plants at the Aspen and Marsac Mills Compared. By C. A. Stetefeldt. T. A. I. M. E., vol. 23, pp. 134, 585.

A Colliery Plant: Its Economy and Waste. By A. J. Tonge. T. I. M. E., vol. 29, p. 153. 12 pages.

Colliery-Consumption. By J. A. Longden. T. I. M. E., vol. 30, p. 539. 8 pages.

Fuel Consumption in Hoisting Operations. M. & M., Jan., 1902, p. 283.

Economy of Coal in Steam Boilers. By W. Kent. Coll. Engr., vol. 11, p. 66, 5½ columns; and p. 89, 6½ columns.

Colliery-Consumption. By J. A. Longden. T. I. M. E., vol. 16, p. 366. 10 pages.

Consumption of Anthracite Coal at the Mines. E. & M. J., vol. 73, p. 834. ½ column.

Anthracite Coal for Locomotive Use. E. & M. J., vol. 68, p. 162. 1 column.

Coal as Boiler Fuel. M. & M., June, 1903, p. 503, 4 columns; May, 1903, p. 467.

Economy in Coal Consumption. By W. H. Booth. Coll. Engr., vol. 10, p. 151, 2 columns; p. 226, 4⅔ columns, I.; p. 244, 4⅓ columns, I.; p. 269, 4 columns, I.; vol. 11, p. 6, 5½ columns, I.; p. 32, 2¾ columns, I.

Fuel Economy at Bituminous Coal Mines in Pennsylvania. By C. E. Watts. P. E. Soc. W. Pa., vol. 21, p. 487. 22 pages. I.

Boiler-House Economy. By R. S. Downe. Incorporated Electrical Assoc. of England, Mar., 1904.
Min. Mag., Oct.-Nov., 1904, p. 326. 1½ columns.

Waste of Power in Mine-Car Haulage. By H. B. Wyman. Coll. Engr., vol. 10, p. 160. ½ column.

Quantity of Power Used per Ton Anthracite Coal Mined in Pennsylvania. The Anthracite Coal Industry. By Roberts. p. 118. (1871–1895.) Table.

The Subway's Subway: A Brief Description of the Method of Handling Fuel for Power-Plant. N. Y. Tribune, Feb., 1905.
Min. Mag., Mar., 1905, p. 273.

Valves and Valve Gear for Steam Engines

Balanced Slide Valves. Min. & Sci. Press, vol. 38, p. 195. ¾ column.

Grout's Balanced Slide Valve. Min. & Sci. Press, vol. 27, p. 57. 1⅙ columns. I.

Some Special Problems in Valve-Gear Design by the Zeuner Diagram. By W. C. Kretz. Sch. Mines Quart., vol. 23, p. 307. 30 pages. I.

Setting the Valve of an Engine. M. & M., vol. 21, p. 315. I.

Finding the Dead Centers and Setting the Valve of an Engine. M. & M., Mar., 1902, p. 380.

How to Set Corliss Engine Valves. By W. H. Kritzer. Min. & Sci. Press, vol. 86, p. 72. 2 columns. I.

Hargreaves Balanced Slide-Valve, also Hargreaves Piston. By J. Bowers. T. F. I. M. E., vol. 8, p. 298, 1 page, I., and p. 300, 1 page, I.

Balanced Slide Valves. Engineering, London, vol. 68, p. 243. ½ column. I.

The Willans Central Valve Engine. E. & M. J., vol. 66, p. 395. 5 columns. I.

Davey's Differential Valve Gear. Min. & Sci. Press, vol. 33, p. 401. 2½ columns. I.

The Harlow Valve-Gear for Direct-Acting Pumps. E. & M. J., vol. 38, p. 231. ½ column. I.

Details of Valve Gear. Engineering, London, vol. 71, p. 77.

The Melling Steam Reversing-Gear. By J. Heath. T. F. I. M. E., vol. 7, p. 370. 6 pages. I.

The Use of Expansion-Gear as Applied to Colliery Engines: Several Kinds. By M. Deacon. T. F. I. M. E., vol. 7, p. 672. 12 pages. I.

Automatic Variable Expansion-Gear Applied to Balanced Slide-Valve Winding-Engines. By W. D. Wight. T. F. I. M. E., vol. 12, p. 279. 4 pages. I.

The Woodworth System of Progressive and Automatic Cut-off Gear for Winding Engines. By B. Woodworth and W. G. Cowlishaw. T. F. I. M. E., vol. 10, p. 470, 4 pages, I.; and vol. 11, p. 111, 6 pages, I.

Lead and Lap of Winding and Other Engines. By H. Walters. T. F. I. M. E., vol. 11, p. 64. 12 pages. I.

Large Gate Valve for Low Pressures. By J. J. Smith. E. & M. J., vol. 80, p. 590. 5½ columns. I.

A New Starting Lever for Mill Engines. By R. Hirota. E. & M. J., vol. 57, p. 101. ½ column. I.

Durham's Oil Ring Packings. By F. W. Durham. T. N. S. I. M. & M. E., vol. 8, p. 138. 3 pages. I.

Water Power Plants: Theory and Practice

Water-Power: Its Generation and Transmission. By S. Webber. J. W. Soc. E., vol. 1, p. 122. 2 pages.

The Theoretical Water-Power of the World. E. & M. J., vol. 76, p. 311. Note.

Power of Water: Percentage of Theoretical Horse-Power Realized by Various Prime Movers. Min. & Sci. Press, vol. 76, p. 179. Table.

Useful Hydraulic Data. By J. W. Gray. Min. & Sci. Press, vol. 76, p. 179. 4½ columns.

Water Power under Pressure. Min. & Sci. Press, vol. 75, p. 125. 1¼ columns. I.

Calculating the Power of Water. Min. & Sci. Press, vol. 75, p. 483. 1 column.

Water Wheel Experiments. Min. & Sci. Press, vol. 47, p. 177, 4 columns, I.; p. 185, 3 columns; p. 193, 4 columns, I.; p. 200, ½ column.

Hydraulics. By A. Mayers. Min. & Sci. Press, vol. 40, p. 345, 2 columns; and p. 361, 1½ columns.

Experiments on the Character of Fluid Motion. By H. S. Hele-Shaw. Engineering, London, vol. 67, p. 28. 6½ columns. I.

Two Graphic Methods Applied to Hydraulic Calculations. By P. M. Crosthwaite. Engineering, London, vol. 66, p. 65. 4 columns. I.

Cox's Formula for Ascertaining Loss of Head in Pipes by Friction. E. & M. J., vol. 54, p. 537. Note.

Some Characteristics of the Flow of Water in Channels of Varying Cross-Section. By T. E. Stanton. Engineering, London, vol. 74, p. 664. 4 columns. I.

The Loss of Power in Generating Electricity by Water Power: In the Turbine, 250 kilowatts; in the Dynamo, 60 kilowatts; in the Circuit, 15 kilowatts; in the motor, 50 kilowatts; total, 375 kilowatts. Total efficiency is therefore 62.5 per cent. Engineering, London, vol. 63, p. 727.

Horse-Power of Rivers. T. A. I. M. E., vol. 16, p. 193.

Water Power Computations Worked Out by the Slide Rule. By W. Cox. E. & M. J., vol. 53, p. 81. 2½ columns.

Power of Water to Move Gravel. E. & M. J., vol. 38, p. 316. ½ column.

Discharge of Water from a Nozzle. M. & M., Aug., 1902, p. 46.

Pressure Exerted by Water in the Soil. E. & M. J., vol. 42, p. 134. ½ column.

The Appraisement of Damages to Water-Powers in the Exercise of the Right of Eminent Domain. By W. P. Butler. Sch. Mines. Quart., vol. 9, p. 319. 8 pages.

The Value of Water-Power Considered in Relation to Indemnity to Riparian Owners, when the Water of a Stream is Taken for Public Use. By W. P. Trowbridge. Sch. Mines Quart., vol. 9, p. 220. 20 pages. D.

The Canvery Falls Power Plant. E. & M. J., vol. 74, p. 843. 9 columns. I.

Power-House and Water-Connections. E. & M. J., vol. 68, p. 731. I.

New Water Powers in Montana. E. & M. J., vol. 65, p. 218. ¾ column.

Water Power for the Mesabi. E. & M. J., Feb. 2, 1905, p. 229. 4 columns. I.

Water as a Motive Power: Water Wheels and Turbines. By E. H. Davies. Machinery for Metalliferous Mines, p. 1. 16 pages. 1902.

The Hydraulic Installation at the Mines of the Compania Minera de Panuco (Mexico). By H. L. Short. T. I. M. & M., vol. 10, p. 93. 8 pages. I.

Instances of Economical and Successful Utilization of Water-Power in the United States and Canada for Electrical Generation. Engineering, London, vol. 63, p. 728. Table.

Project for Utilizing Bassasseachic Falls. By E. D. Self. Sch. Mines Quart., vol. 15, p. 345. 8 pages. I.

Water-Powers in the South. M. & M., vol. 24, p. 106. 6 columns. I.

Power of Ocean Tides. E. & M. J., vol. 8, p. 9; and vol. 9, p. 177. I.

The Utilization of Drainage Water to Work a Turbine Driving a Winch. M. & M., vol. 20, p. 372. 1½ columns. I.

Capacity of Reservoirs in California for Hydraulic Mining. Min. & Sci. Press, vol. 43, p. 432. ½ column.

Water Power Machinery for the Alaska Mill. Min. & Sci. Press, vol. 49, p. 209, 1 column, I.; and p. 213, I.

Water-Power for Mining in Nevada County, California. Min. & Sci. Press, vol. 65, p. 314. ⅞ column.

Power Plant at the Eustis Mine, Quebec. By C. T. Rice. E. & M. J., vol. 82, p. 887. 1½ columns.

North Mountain Power Plant. Min. & Sci. Press, vol. 92, p. 26. 2 columns. I.

Hydraulic Power Plant with 12,000 Horse-Power Impulse Units. E. & M. J., vol. 83, p. 240. 1 column.

Operations of the Hudson River Water-Power Company. By Chas. E. Parsons. T. I. M. E., vol. 34, p. 68. 24 pages.

Hydraulic Power for a Dredge. E. & M. J., vol. 72, p. 632. ½ column.

Experiments on the Force of Water-Ram. E. & M. J., vol. 38, p. 412. ⅔ column.

Hydraulic Rams. By J. Richards. E. & M. J., vol. 61, p. 399. 4½ columns. I.

Hydraulic Rams. By C. Pixis. E. & M. J., vol. 61, p. 591. 2⅓ columns. I.

Water Wheels, Governors, Data, etc.

The Evolution of the American Type of Water Wheel. By W. W. Tyler. J. W. Soc. E., vol. 3, p. 879. 23½ pages. I.

The Tangential Water-Wheel. By W. A. Doble. T. A. I. M. E., vol. 29, p. 852.

Knight's Reversible Water-Wheels and Hydraulic Gate. Min. & Sci. Press, vol. 55, p. 1. 2 columns. I.

Rim Velocity of a Pelton Wheel. Min. & Sci. Press, vol. 82, p. 199. Note.

The Turbine Water Wheel in the Foot-Hills. Min. & Sci. Press, vol. 18, p. 1, 3 columns, I.; and p. 46, 1 column.

Tangential Water Wheels. Engineering, London, vol. 75, p. 401. 11 columns. I.

Small Water Motors for Mines. By G. D. Rice. E. & M. J., vol. 65, p. 284. 1⅔ columns. I.

The Girard Water Wheel. E. & M. J., vol. 60, p. 177. ⅔ column. I.

The Hug Water Wheel. E. & M. J., vol. 71, p. 56. 2 columns. I.

A Large Water Wheel. E. & M. J., vol. 66, p. 461. ¼ column. I.

A Water Wheel Record. M. & M., Sept., 1901, p. 77. ⅙ column.

A Simple Connection between Turbines and Generators. By A. B. Herrick. E. & M. J., vol. 71, p. 563. 2¼ columns. I.

Richard's Patent Hydraulic Machine. Min. & Sci. Press, vol. 54, p. 217, 3 columns, I.; p. 237, 1 column, I.; p. 253, ½ column, I.; p. 269, 1 column, I.; p. 281, 2 columns, I.

Root's Rotary Hydraulic Engine. Min. & Sci. Press, vol. 36, p. 353. ⅔ column. I.

The Pearsall Hydraulic Engine. By T. Waln-Moran Draper. E. & M. J., vol. 46, p. 327. 2 columns. I.

A Large Water-Hoist Engine. E. & M. J., vol. 77, p. 567. 1 column. I.

The Hoisting Engine of the Bindweide Mine, Germany. E. & M. J., vol. 36, p. 371. ⅓ column. I.

On the Development of the Water-Pressure (Hydraulic) Engines in the Freiberg Mining District. By G. Hahn. E. & M. J., vol. 36, p. 68. 1 column. I.

The Sea-Mills of Cephalonia. E. & M. J., vol. 62, p. 197. ½ column.

Wave Motors. E. & M. J., vol. 65, p. 554. ⅓ column.

The Governing of Impulse Water-Wheels. By J. Goodman. Engineering, London, vol. 78, p. 597, 3¾ columns, D.; vol. 79, p. 363, 2 columns, D.

Speed Government in Water-Power Plants. Min. & Sci. Press, vol. 76, p. 513; p. 540, 2 columns, I.; p. 565, 1½ columns, I.; p. 589, 1½ columns, I.; p. 617, 1½ columns, I.

The Giesler Electro-Mechanical Water-Wheel Governor. E. & M. J., vol. 62, p. 32. 1 column. I.

The Cassel Self-Governing Impulse Wheel. Engineering, London, vol. 71, p. 767. 1½ columns. I.

A New Water Pressure Gauge. By R. E. Brown. Min. & Sci. Press, vol. 45, p. 145. 2 columns. I.

Water Inches. Min. & Sci. Press, vol. 77, p. 8. ½ column.

The Miner's Inch. Min. & Sci. Press, vol. 77, p. 426. 1 column.

Number of Miner's Inches Required for Given Head. Min. & Sci. Press, vol. 79, p. 314. Note.

The Miner's Inch and Its Equivalent in Other Units. Min. & Sci. Press, vol. 80, p. 579. Tables.

Measurement of Water: Miner's Inch. T. A. I. M. E., vol. 6, p. 58.

The Miner's Inch by States. E. & M. J., vol. 77, p. 834. ½ column.

The Miner's Inch. E. & M. J., vol. 41, p. 87. ¾ column.

Table Showing: Inches of Water Used in 24 Hours; Duty per Inch, Cubic Yard; Amount Gravel Moved in Cubic Yards; Practice on a Number of Streams in California. Min. & Sci. Press, vol. 75, p. 572. Table.

The Water Race for the Chuquitambo Gold Mines, Peru. By G. F. Heath. T. I. M. & M., vol. 16, p. 144. 8½ pages.

The Electric Power Plant and Its Equipment

Electricity: What It Is and What May Be Expected of It. By J. Reese. P. E. Soc. W. Pa., vol. 1, p. 264. 11 pages.

Motive Power at the Mines. Min. & Sci. Press, vol. 79, p. 580, 1⅓ columns; p. 606, 1¾ columns; p. 633, 2 columns; and p. 666, 2 columns.

Hydro-Electric Power Development at and Near Joliet, Illinois, Using Chicago Drainage Canal Water. By T. T. Johnston. J. W. Soc. E., vol. 9, p. 295. 32 pages. I.

Hydraulic Developments as Related to Electric Installations. By W. B. Jackson. J. W. Soc. E., vol. 8, p. 302. 40 pages. I.

Electric Power-Station, Winding-Gear and Pumping-Plant of the Tarbox Oil Company. By J. Caldwell. T. I. M. E., vol. 31, p. 221. 11 pages. I.

THE POWER PLANT OF THE PIONEER ELECTRIC POWER COMPANY OF OGDEN, UTAH. Min. & Sci. Press, vol. 75, p. 76. 9 columns. I.

ELECTRIC PLANT AT LANSFORD, PENNSYLVANIA. By W. E. Joyce. E. & M. J., vol. 84, p. 359. 12 columns. I.

CHIGNECTO ELECTRIC PLANT. By H. M. Lamb and W. J. H. Drew. M. & M., vol. 28, p. 567. 2½ columns.

THE ELECTRIC POWER STATION AT THE PIERREFITTE MINE. By E. H. Davies. T. I. M. & M., vol. 9, p. 248. 14 pages. I.

HYDRO-ELECTRIC POWER IN INDIA. Min. & Sci. Press, vol. 92, p. 42. 1⅛ columns.

THE NECAXA-EL ORO POWER PLANT, ELECTRICAL: Complete Mine Equipment. By F. C. Perkins. M. & M., vol. 27, p. 174. 5 columns. I.

ELECTRIC POWER PLANTS OF THE PACIFIC COAST. Min. & Sci. Press, vol. 84, p. 334, 4½ columns, I.; and p. 346, 5 columns, I.

ELECTRIC POWER: Its Generation and Utilization for Mining Work on the Pacific Coast. By A. M. Hunt. T. A. I. M. E., Special volume, California Mines and Minerals, p. 73. 15 pages. I.

50,000-VOLT TRANSMISSION PLANT OF THE MISSOURI RIVER POWER COMPANY AT CAÑON FERRY, MONTANA: Transmitting Electrical Power 65 Miles. By W. G. McConnon. M. & M., July, 1902, p. 558. 3 columns.

THE PIKE'S PEAK POWER PLANT. E. & M. J., vol. 74, p. 619. 6¾ columns. I.

THE ELECTRIC PLANT OF THE ASPEN MINING AND SMELTING COMPANY, ASPEN, COLORADO. By M. B. Holt. E. & M. J., vol. 53, p. 134. 2 columns. I.

ELECTRIC POWER PLANTS IN THE MINING DISTRICTS OF NORTHERN CALIFORNIA. By G. P. Grimsley. E. & M. J., vol. 72, p. 270, 2 columns, I.; p. 300, 3 columns, I.; and p. 330, 1¾ columns, I.

ELECTRIC LIGHT AND POWER WORK AT BUTTE, MONTANA. By J. R. Cravath. E. & M. J., vol. 71, p. 207. 2 columns.

THE COLORADO ELECTRIC POWER COMPANY'S PLANT. By R. D. Mushon. E. & M. J., vol. 66, p. 700. 3 columns. I.

ELECTRIC INSTALLATION IN CANADA. E. & M. J., vol. 79, p. 1153. 1½ columns.

AN OREGON ELECTRIC POWER PLANT. E. & M. J., vol. 80, p. 1109. 1 column.

THE TRANSFORMATION OF ELECTRICITY INTO MECHANICAL ENERGY. By W. H. Erb. Sch. Mines Quart., vol. 10, p. 123. 10 pages.

ELECTRICITY FOR MINING PLANTS. By E. D. Self. Sch. Mines Quart., vol. 16, p. 68. 4 pages.

ELECTRIC STATION POWER PLANT. By Elihu Thomson. The Electrical Age, Mar., 1904.

ELECTRIC PLANT AT WINDBER, PENNSYLVANIA. By A. S. M'Allister. M. & M., vol. 21, p. 110. 5 columns. I.

THE ELECTRIC-POWER PLANT AT DUMB-BRECK COLLIERY, KILSYTH, ENGLAND. By J. T. Forgie. T. F. I. M. E., vol. 7, p. 121. 14 pages. I.

ELECTRIC PLANT-FAILURES, THEIR ORIGIN AND PREVENTION. By A. C. Cormack. T. I. M. E., vol. 25, p. 548. 32 pages.

ELECTRIC PLANT AT ESSEN MINES: A Description of the Mining and Haulage Plant at the Essen Mines at Federal, Pennsylvania. Coll. Engr. & Met. Miner, vol. 16, p. 103. 6 columns. I.

ELECTRO-THREE-PHASE PLANT AT ESSEN, GERMANY. Min. & Sci. Press, vol. 85, p. 269.

Electric Power Plants of the Pacific Coast. Min. & Sci. Press, vol. 84, p. 330. 25 columns.

Electrically Driven European Mining Plants. Min. & Sci. Press, vol. 84, p. 259.

Electrical Equipment of the C. & C. Shaft, Virginia City, Nevada. Min. & Sci. Press, vol. 85, p. 111. 4 columns.

Electrical Power Plants for General Purposes in Mining and Milling. Min. & Sci. Press, vol. 85, p. 293. 14 columns.

The Essen Coal Company's Electric Mining Plant. By T. W. Sprague. E. & M. J., vol. 60, p. 174. 3 columns. I.

Electric Power Installation at Pachuca, Mexico. E. & M. J., vol. 59, p. 417. ½ column.

The Westinghouse Electric Mining Plant. E. & M. J., vol. 57, p. 33. 1 column. I.

List of Electric-Power Plants for Mills and Smelters in the Rocky Mountain Region. T. A. I. M. E., vol. 26, p. 416.

Electric Power on the Comstock. Min. & Sci. Press, vol. 81, p. 49.

Electric Power on the Comstock Lode: A Description of the Large Electric Generating and Transmission Plant Recently Installed. By W. H. Allen. M. & M., Apr., 1901, p. 421. 5 columns.

An Electric Plant for a Mountain Mine. By F. W. Brady. E. & M. J., vol. 71, p. 689. 2½ columns.

The Electrical Plant at the Sneyd Collieries, England. E. & M. J., vol. 71, p. 301. 2 columns. I.

The Truckee River Electric Power Plant. E. & M. J., vol. 71, p. 179. 1½ columns. I.

The Electrical Plant at the Boleo Mines, Mexico. E. & M. J., vol. 68, p. 671. 1¼ columns.

The Electric Power Plant at Helena, Montana. E. & M. J., vol. 67, p. 412. ⅞ column.

An Electric Power Plant in the Transvaal. E. & M. J., vol. 66, p. 664. ⅞ column.

Electric Power at the Golden Gate Mill, Utah. E. & M. J., vol. 65, p. 759. 2 columns. I.

Electric Power on the Mother Lode, California. E. & M. J., vol. 63, p. 235. 1 column. I.

Distribution of Electrical Power (in the United States). By W. H. Adams. E. & M. J., vol. 57, p. 581. 2 columns.

Electric Power Generation at Coal Mines. Min. & Sci. Press, vol. 82, p. 209.

German Electrical Installations. By E. Guarini. Min. Mag., Jan., 1905, p. 25. 16 columns. I.

Electricity Direct from Carbon. By A. Coehin. E. & M. J., vol. 61, p. 398, note; and vol. 62, pp. 174, 487, ⅞ column.

The Production of Electricity from Carbon at Ordinary Temperatures. E. & M. J., vol. 63, p. 208. 1¼ columns.

Advantages of Electric Power. Coll. Engr. & Met. Miner, vol. 17, p. 97.

The Loss of Power in Generating Electricity by Water-Power. Engineering, London, vol. 63, p. 727. Table.

Cheap Fuels: Influence on Cost of Electrical Energy. By R. E. Crampton. Engineering, London, vol. 69, pp. 69, 165.

The Generation of Electricity by the Waste Gases of Modern Coke-Ovens. By G. H. J. Hooghwinkel. T. I. M. E., vol. 30, p. 313. 28½ pages. I.

Electric Installation at Silverton, Colorado. E. & M. J., vol. 59, p. 580. 1¼ columns.

THE USE OF ELECTRIC POWER, BY MINERALS, 1902. Rept. Census Office, Mines & Quarries, 1902, p. 146, Chap. 3. Table.

HYDRO-ELECTRIC POWER IN MEXICO. By F. C. Roberts. E. & M. J., vol. 78, p. 101. 1½ columns.

ELECTRICAL EQUIPMENT OF THE UNITED STATES COAL AND COKE COMPANY, IN THE POCAHONTAS COAL FIELD. By G. R. Wood. M. & M., vol. 27, p. 193. 8½ columns. I.

ELECTRIC POWER FOR GENERAL PURPOSES IN MINING AND MILLING. Min. & Sci. Press, vol. 85, p. 307. 3 columns+.

ELECTRIC POWER AT THE CALUMET AND HECLA. By C. L. C. Fichtel. E. & M. J., vol. 84, p. 157. 5 columns. I.

ELECTRIC PLANTS FOR COLLIERIES. By S. T. Boam. E. & M. J., vol. 82, p. 14. 3 columns.

ELECTRIC PLANT OF THE DAHLBUSCH MINE (Germany). By A. Gradenwitz. E. & M. J., vol. 83, p. 91. 6 columns. I.

DESCRIPTION OF AN ELECTRIC COAL-MINING PLANT. P. E. Soc. W. Pa., vol. 7, p. 38. 30 pages. I.

ELECTRIC POWER AT THE KOLAR GOLD FIELD. By A. M. Smith. T. I. M. & M., vol. 12, p. 176. 15 pages. I.

ELECTRIC POWER PLANTS ON UPPER MISSOURI RIVER. By A. F. Bushnell. E. & M. J., vol. 84, p. 1207. 6 columns. I.

COLLIERY HOISTING, HAULAGE AND POWER SYSTEMS. By F. E. Junge. E. & M. J., vol. 83, p. 897. 10 columns. I.

THE DESIGN OF DIRECT CURRENT MOTORS. By C. H. Bedell. Sch. Mines Quart., vol. 28, p. 101. 7½ pages. I.

DOUBLE-CURRENT GENERATOR FOR MINES. By B. Harding. M. & M., vol. 20, p. 373. 1¾ columns. I.

DIRECT-ALTERNATING GENERATORS FOR COAL MINES. By A. D. Adams. M. & M., vol. 20, p. 267. 1½ columns.

ADVANTAGES AND APPLICATIONS OF THE ELECTRIC DRIVE. By F. B. Crocker and M. Arendt. Sch. Mines Quart., vol. 27, p. 61. 14 pages. I.

ELECTRICITY VS. SHAFTING IN THE MACHINE SHOP. By C. H. Benjain. Engineering, London, vol. 64, p. 366. 5 columns.

ELECTRICITY AS A MOTIVE POWER. Min. & Sci. Press, vol. 39, p. 360. 1 column.

ELECTRIC MOTORS IN SHOP AND MINE. By C. M. Barber. E. & M. J., vol. 66, p. 636. 1 column.

STORAGE BATTERY PLANT FOR LIGHT AND RAILROAD. By H. Condit. E. & M. J., vol. 59, p. 224. 2½ columns. I.

STORAGE BATTERIES. M. & M., Mar., 1902, p. 373. 1½ columns.

ELECTRICAL ACCUMULATORS OR STORAGE-BATTERIES. By P. G. Salom. T. A. I. M. E., vol. 18, p. 348.

THE EDISON NICKEL STORAGE-BATTERY. E. & M. J., Mar. 30, 1905, p. 601. ⅞ column.

THE CAPACITY-CURRENT AND ITS EFFECT ON LEAKAGE: Indications on Three-Phase Electrical Power-Service. By S. F. Walker. T. I. M. E., vol. 31, p. 526. 15 pages. I.

CHOICE OF ELECTRIC CURRENTS TO BE ADOPTED. Min. Mag., vol. 12, p. 369.

ALTERNATING CURRENTS AND THEIR POSSIBLE APPLICATION TO MINING OPERATIONS. By S. F. Walker. T. I. M. E., vol. 26, p. 570. 30 pages.

ALTERNATING CURRENTS AND THEIR POSSIBLE APPLICATION TO MINING OPERATIONS. By S. F. Walker. T. I. M. E., vol. 21, p. 451. 66 pages. I.

RELATIVE ADVANTAGE OF 2300-VOLT ALTERNATING CURRENT VS. 550-VOLT DIRECT CURRENT FOR MINE AND SMELTER WORK. By H. A. Brown. E. & M. J., vol. 76, p. 470, 2¾ columns; and p. 497, 1½ columns.

A COMPARISON OF THREE-PHASE AND CONTINUOUS CURRENTS FOR MINING PURPOSES. By Roslyn Holiday. T. I. M. E., vol. 27, p. 410. 19 pages.

CAN ELECTRICITY BE PROFITABLY EMPLOYED AS A SOURCE OF POWER? Min. & Sci. Press, vol. 28, p. 115. ⅔ column.

ELECTRICITY VS. COMPRESSED AIR. By W. R. Hulbert. Min. & Sci. Press, vol. 92, p. 4, 1 column; p. 20, 1⅓ column; p. 36, 2 columns; p. 84, 1½ columns; and p. 103, 1 column.

THE RELATIVE EFFICIENCY OF ELECTRICITY AND COMPRESSED AIR IN MINING. By D. L. Lloyd. E. & M. J., vol. 54, p. 418, 1½ columns; and p. 506, 1 column.

ELECTRICITY VS. COMPRESSED AIR. M. & M., vol. 25, pp. 543, 544; vol. 26, p. 166. 1 column. E. & M. J., vol. 75, p. 740. 1¼ columns.

CARE OF DYNAMOS AND MOTORS. By W. M. Hollis. M. & M., Dec., 1902, p. 232. 4 columns.

HINTS FOR THE DYNAMO TENDER. M. & M., May, 1902, p. 471. 2½ columns.

DYNAMO TROUBLES: How to Overcome Them. By P. Donsville. M. & M., vol. 18, p. 437. 3 columns.

ACCIDENTS TO MOTORS AND DYNAMOS. By A. C. Cormack. E. & M. J., vol. 76, p. 509. 1½ columns.

THE USE OF CONVENTIONAL SIGNS ON COLLIERY ELECTRIC WIRING PLANS. By W. Maurice. Min. Mag., vol. 13, p. 237. 2 columns. I.

Electricity in the Mine

ELECTRIC AND COMPRESSED AIR MINING LOCOMOTIVES. By F. C. Perkins. Min. & Sci. Press, vol. 84, p. 131. 2 columns.

NOTES ON THE APPLICATION OF ELECTRIC POWER AT MINES IN GERMANY. By E. O. F. Brown. T. I. M. E., vol. 29, p. 40. 10 pages. I.

ELECTRICITY IN MINING. By R. B. Williamson. M. & M., vol. 20, p.459, 5½ columns; p. 515, 4¾ columns, I.; and p. 540, 5½ columns, I.

ELECTRICITY IN WITWATERSRAND MINES. By S. F. Walker. E. & M. J., vol. 77, p. 884. 2 columns.

ELECTRICITY FROM WATER POWER IN GREAT BRITAIN. E. & M. J., vol. 78, p. 435. ⅔ column.

ELECTRIC POWER AT THE KOLAR GOLD FIELD. By A. M. Smith. T. I. M. & M., vol. 12, p. 176. 10 pages. I.

THE RELATIVE EFFICIENCY OF ELECTRICITY AND COMPRESSED AIR IN MINING. By D. J. Lloyd. Coll. Engr., vol. 13, p. 99. 2⅔ columns.

ELECTRICITY IN MINING OPERATIONS. By W. Baxter, Jr. E. & M. J., vol. 61, p. 324. 1¼ columns.

APPLICATIONS OF ELECTRICITY AT CRIPPLE CREEK, COLORADO. E. & M. J., vol. 68, p. 520. 1 column. I.

DOUBLE-CURRENT GENERATORS FOR OPERATING MINES. E. & M. J., vol. 69, p. 351. 2 columns. I.

EUROPEAN ELECTRICAL MINING INSTALLATIONS. By E. Guarini. Mining World, Nov. 5, 1904. ½ column.
Min. Mag., Dec., 1904, p. 404.

ELECTRICAL EQUIPMENT OF A MINE. By A. W. K. Pierce. Mining Reporter, Nov. 10, 1904.
Min. Mag., Dec., 1904, p. 404. ½ column.

ENGLISH AND GERMAN DESIGNS FOR ELECTRICAL MINING EQUIPMENT. By F. C. Perkins. Mining Reporter, Oct. 20, Nov. 3, 1904.
Min. Mag., Jan., 1905, p. 64. 1 column.

ELECTRICALLY OPERATED MINES IN EUROPE. By F. C. Perkins. E. & M. J., vol. 71, p. 402. 2 columns. I.

ELECTRICITY IN MINING. By F. O. Blackwell. T. A. I. M. E., vol. 23, p. 399.

ELECTRICITY IN MINING AS APPLIED BY THE ASPEN MINING AND SMELTING COMPANY, ASPEN, COLORADO. By M. B. Holt. T. A. I. M. E., vol. 20, p. 316.

Electric Mining in the Rocky Mountain Region. By I. Hale. T. A. I. M. E., vol. 26, pp. 402, 1071.

Electric Mining Methods in Colorado. Min. & Sci. Press, vol. 82, p. 47.

Electrical Machinery in South Africa. Min. & Sci. Press, vol. 81, p. 494.

Electrical Power in Rhodesian Mines. Min. & Sci. Press, vol. 85, p. 269.

Electricity in Mine Operations. Min. & Sci. Press, vol. 85, p. 234. 1 column.

Electricity and Compressed Air in Mining. Min. & Sci. Press, vol. 85, p. 173.

Electricity in Mines. Min. & Sci. Press, vol. 84, p. 73.

Electricity in Mining and Metallurgy. Min. & Sci. Press, vol. 85, p. 112.

Electric Power in Quartz Mining. Min. & Sci. Press, vol. 85, p. 104. 9 columns.

Electricity in Mountain Mines. Min. & Sci. Press, vol. 82, p. 241.

Electrical Installation, Crown Mountain Mining Company, Dahlonega, Georgia. Min. & Sci. Press, vol. 83, p. 45.

Electrically Operated Mine. Min. & Sci. Press, vol. 84, p. 169. 7 columns.

Electric Power in Hidden Treasure Mine, Placer County, California. Min. & Sci. Press, vol. 83, p. 241.

Electricity as a Motive Power for Mining Machinery. Machinery for Metalliferous Mines, p. 477. 34 pages.

Electricity in Mining: Principles Governing the Calculation, Construction and Operation of Electrical Installations. M. & M., July, 1900, p. 540.

Electricity as Applied to Mining. By G. S. Corlett. E. & M. J., vol. 59, p. 271. 2 columns.

Electrical Machinery for Mines. By R. Kennedy. T. F. I. M. E., vol. 10, p. 98. 8 pages. I.

The Application of Electricity to Mining Operations. By R. Holiday. T. F. I. M. E., vol. 12, p. 2. 13 pages. I.

Electricity in Mining: The Advantages of Using the Alternating Current and Three-phase Motors. M. & M., vol. 18, p. 53. 4 columns. I.

Electricity in Mines. Engineering, London, vol. 77, p. 195. 5 columns.

Advantages of Electric Installations in Shafts. T. F. I. M. E., vol. 7, p. 124. List.

Electricity in Mining. By T. C. Martin. Rept. Census Office, Mines & Quarries, 1902, Chap. 3, p. 145. 11 pages. I.

Miscellaneous Use of Electricity in Mining and Quarrying Operations. Rept. Census Office, Mines & Quarries, 1902, Chap. 3, p. 160. 1 column.

Electricity in Mining: Principles Governing the Calculation, Construction and Operation of Electrical Installation. By R. B. Williamson. M. & M., vol. 21, p. 28. 6 columns. I.

E. & M. J., vol. 51, p. 58. 1¼ columns.

The Electrification of Mexican Mines. By G. E. Walsh. E. & M. J., vol. 80, p. 9. 3 columns.

Practical Application of Electricity to Mining. By C. Hewitt. E. & M. J., vol. 49, p. 221. 1½ columns. I.

Electricity in Mining. E. & M. J., vol. 50, p. 456. 3½ columns.

The Use of Electricity in Mines. E. & M. J., vol. 48, p. 293. 3 columns.

Electricity in Mining. By G. H. Gibson. E. & M. J., vol. 73, p. 307. 8½ columns. I.

Electrical Power in Mining. E. & M. J., vol. 80, p. 434. ½ column.

ELECTRICITY IN MINES. By W. M. Schlesinger. Coll. Engr., vol. 10, p. 6. 6½ columns.

ELECTRICITY IN MINING: Advantages over Steam Power During the Winter Season. By J. McGhie. Coll. Engr., vol. 13, p. 184. 1 column.

SOME ELECTRIC INSTALLATIONS IN EUROPEAN MINES. By E. Guarini. M. & M., vol. 26, p. 246. 7 columns. I.

ELECTRICITY IN THE MINE. P. C. M., vol. 4, p. 345. 26 pages. I.

THE USE OF ELECTRICITY IN MINES. Engineering, London, vol. 79, p. 644, 3 columns; and p. 678, 3 columns.

ELECTRICALLY DRIVEN DRILLS. Rept. Census Office, Mines & Quarries, 1902, Chap. 3, p. 151. 3 columns. I.

ELECTRIC DRILLING, DREDGING AND PUMPING. E. & M. J., vol. 78, p. 952. 3 columns.

ELECTRICAL EQUIPMENT OF THE C. & C. SHAFT OF THE CONSOLIDATED CALIFORNIA AND VIRGINIA MINING COMPANY, VIRGINIA CITY, NEVADA. By Leon M. Hall. M. & M., Nov., 1902, p. 158. 4 columns.

ELECTRICAL EQUIPMENT OF THE C. & C. SHAFT AT VIRGINIA CITY, NEVADA. By L. M. Hall. E. & M. J., vol. 74, p. 243. 5 columns. I.

AN ELECTRIC MINING PLANT, BODIE, CALIFORNIA. E. & M. J., vol. 55, p. 439. 1 column.

ELECTRICITY AT CRIPPLE CREEK. M. & M., vol. 20, p. 446. 1½ columns. I.

ELECTRICAL POWER ON THE COMSTOCK. Min. & Sci. Press, vol. 58, p. 209. 5 columns. I.

ELECTRICITY IN MOUNTAIN MINES. By F. W. Brady. Min. & Sci. Press, vol. 82, p. 241. 3 columns.

ELECTRIC POWER IN QUARTZ MINING. Min. & Sci. Press, vol. 85, p. 104. 2¾ columns.

ELECTRICITY IN COAL MINING. By W. G. Wilkins. P. E. Soc. W. Pa., vol. 13, p. 135. 41 pages. I.

THE USE OF ELECTRICITY IN ANTHRACITE MINING. By H. M. Warren. E. & M. J., vol. 83, p. 241. 4 columns. I.

USE OF ELECTRICITY IN ANTHRACITE MINING. By H. M. Warren. E. & M. J., vol. 83, p. 433. 3 columns. I.

ALLIS-CHALMERS ELECTRIC HOIST. E. & M. J., vol. 83, p. 435. 1½ columns.

ALTERNATING CURRENT IN COAL-MINING OPERATIONS. By G. R. Wood. E. & M. J., vol. 84, p. 1. 11 columns. I.

ELECTRICITY IN COAL HANDLING. E. & M. J., vol. 59, p. 488. 1½ columns. I.

COMPRESSED AIR VS. ELECTRICITY IN COAL MINES: A Comparison of the Relative Costs and Efficiencies of the Apparatus Using the Two Powers. By W. L. Saunders. M. & M., June, 1903, p. 513. 6 columns.

ELECTRICAL EQUIPMENT OF THE COLUMBIA GAS COAL COMPANY AT WEST NEWTON, PENNSYLVANIA. By G. R. Wood. M. & M., vol. 19, p. 202. 3¼ columns. I.

ELECTRICITY IN COAL MINING. By W. B. Clarke. Min. Mag., Apr., 1905, vol. 11, p. 328. 10 columns. I.

ELECTRICITY IN COAL MINING. By J. P. Jackson and F. F. Thompson. E. & M. J., vol. 68, p. 757. 3 columns.

ELECTRICITY IN COAL MINES. By P. C. Pope and N. D Cameron. Manchester Geol. & Min. Soc., Aug., 1904. Min. Mag., Dec., 1904, p. 408. 2 columns.

ELECTRICITY IN COAL MINING. By G. E. Walsh. E. & M. J., Feb. 2, 1905, p. 228. 4 columns. I.

ELECTRIC COAL-MINING PLANTS: The Process by which They have been Developed to Meet the Various Requirements in Different Seams of Coal. By S. B. Belden. M. & M., Sept., 1903, p. 60. 4¾ columns.

Electrical Apparatus in English Coal Mines. M. & M., Dec., 1902, p. 209. ¾ column.

Electrical Apparatus for Coal Mines: Some Facts and Comparisons of Electric Haulage and Pumping Plants with Those Using Compressed Air. By W. B. Clarke. M. & M., Oct., 1904, p. 143.

Electrical Apparatus for Coal Mining: New Cable-Reel Device to Allow Locomotives to Gather Cars from Rooms without Trolley Wire. By W. B. Clarke. M. & M., Apr., 1903, p. 420. 4½ columns.
T. A. I. M. E., Feb., 1903.

Application of Electricity in the Anthracite Coal-Fields of Pennsylvania, with Special Reference to the Wyoming Field. By H. H. Stock and G. W. Homs. T. I. M. E., vol. 34, pp. 512, 976.

Electrical Apparatus for Coal Mining. By W. B. Clarke. T. I. M. E., vol. 34, p. 134.

The Use of Electricity at Ackton Hall Colliery. By H. St. J. Durnford and R. Holiday. T. F. I. M. E., vol. 13, p. 232. 10 pages. I.

Direct-Alternating Generators for Coal-Mines. By A. D. Adams. M. & M., vol. 20, p. 267. 1½ columns.

Electrical Equipment of the Woodward Mine, Kingston, Pennsylvania. By W. E. Culbertson. M. & M., vol. 19, p. 26. 4¼ columns. I.

Electricity in Bituminous Coal Mining: Use of Mining Machines. By R. M. Haseltine. Coll. Engr. & Met. Miner, vol 16, p. 75. 11 columns.

Electric Power in Coal Mines. Engineering, London, vol. 71, p. 676. 2 columns.

The Application of Electricity for Work in Collieries. By C. R. Buck. Sch. Mines Quart., vol. 20, p. 224. 26 pages. I.

Systems of Electric Power for Soft Coal Mines. By J. P. Jackson and W. P. Cochran. E. & M. J., vol. 74, p. 213. 4⅞ columns.

Electricity at German Collieries. By E. O. F. Brown. E. & M. J., vol. 79, p. 1085. 2⅔ columns.

Electricity at Pennsylvania Coal Mines. E. & M. J., vol. 77, p. 873. 1⅔ columns.

Electricity Applied to Collieries. By W. Geipel. Coll. Engr., vol. 8, p. 225. 4½ columns. I.

Electrical Equipment at a Scotch Colliery. E. & M. J., vol. 78, p. 355. ¾ column.

The Use of Electricity in Collieries. By P. B. Coulston. T. I. M. E., vol. 31, p. 185. 20 pages.

An Alternating-Current Coal-Mining Installation. By T. W. Sprague and C. K. Stearns. E. & M. J., vol. 83, p. 1102. 6½ columns. I.

Earth in Collieries, with Special Reference to the Special Rules for the Installation and Use of Electricity. By S. F. Walker. T. I. M. E., vol. 30, p. 404. 24 pages.

Electricity at European Oil Wells. By G. E. Walsh. M. & M., vol. 26, p. 365. 3 columns.

Electrical Equipment of North Franklin Colliery, Pennsylvania. M. & M., vol. 27, p. 493. 2 columns. I.

The Application of Electric Power to Gold Dredging. Min. & Sci. Press, vol. 91, p. 247. 2⅓ columns.

Electricity in Placer Mining Plant. By J. E. Johnston. M. & M., Mar. 1904, p. 391. ⅞ column.

Electricity in Placer Mining. Rept. Census Office, Mines & Quarries, 1902, Chap. 3, p. 159. 2 columns. I.

Electricity in Placer Mining. By J. E. Johnston. Min. & Sci. Press, vol. 87, p. 100. 1 column. I.

Precautions Necessary in the Use of Electricity in Coal-Mines. By H. W. Ravenshaw. T. F. I. M. E., vol. 11, p. 306. 14 pages.

Regulations for Electricity in Coal Mines. E. & M. J., Mar. 23, 1905, p. 560. 9 columns.

Sparkless Electric Plant for Use in Mines and Ironworks. By J. H. Whittaker. T. I. M. E., vol. 23, p. 170. 8 pages.

Electric Wiring in Mines: The Difficulties which Must be Met, and Some Means of Reducing the Dangers of Faulty Insulation. By A. D. Adams. M. & M., vol. 21, p. 160. 1¼ columns.

General Principles Governing the Installation and Use of Electricity in Mines. Rept. Census Office, Mines & Quarries, 1902, Chap. 3, p. 145.

Operating Motors in Dust-Laden Atmospheres. E. & M. J., vol. 75, p. 597. Note.

Electric Wiring in Collieries. Sch. Mines Quart., vol. 20, p. 228. 2 pages.

Electricity in Mines: The Applications of Electricity; Dangers Anticipated from Use of Motors. M. & M., May, 1904, p. 495.

Dangers from Electric Appliances in Coal Mines. E. & M. J., vol. 65, p. 435. 1 column.

Experiments on the Ignition of Fire-Damp and Coal-Dust by Means of Electricity. By B. Heise and Dr. Thiem. T. I. M. E., vol. 17, p. 88. 28 pages.

Fire-Damp and Electric Currents. E. & M. J., vol. 65, p. 582. ½ column.

Recent Improvements in the Design of Electric Cables for Collieries. By G. G. L. Preece. T. I. M. E., vol. 34, p. 161. 8 pages. I.

The Best Means of Conveying Electric Energy in a Fiery Mine. By A. W. Bennett. T. F. I. M. E., vol. 6, p. 366. 5 pages.

See Cause of Mine Accidents.

Latest Electrical Equipment of the Karawanken Tunnel. By F. C. Perkins. Min. & Sci. Press, vol. 91, p. 275. 1¾ columns.

The Electrical Equipment of the Karawanken Tunnel. Electrical World, Nov. 12, 1904. 1 column.

Min. Mag., Dec., 1904, p. 402.

Tunneling Machine Electrically-Driven. Engineering, London, vol. 77, p. 194. 1 column. I.

The Electrical Equipment of the Yak Tunnel. By R. E. Renz. E. & M. J., vol. 83, p. 985. 7 columns. I.

Power Transmission: Electricity, Steam, Water, and Miscellaneous

Power Transmission. By A. D. Adams. Min. & Sci. Press, vol. 82, p. 4. 3 columns.

Electrical Power-Distribution. By R. L. Gamlen. T. I. M. E., vol. 30, p. 369. 19½ pages. I.

The Electrical Transmission of Energy. J. W. Soc. E., vol. 2, p. 253. 11 pages.

Electric Transmission of Power at the Works and Collieries of the Grand-Hornn, Belgium. By E. Troussart. T. I. M. E., vol. 33, p. 647. 16 pages. I.

The Electrical Transmission of Power Over Great Distances. By S. M. Kintner. P. E. Soc. W. Pa., vol. 22, p. 108. 18 pages. I.

Storage of Electricity a Weak Point in Transmission and Various Other Uses. E. & M. J., vol. 82, p. 403. Note.

Electrical Transmission of Energy in Mines. By T. M. Winstanley-Wallis. T. N. S. I. M. & M. E., vol. 10, p. 66, 7 pages; and p. 117, 2⅓ pages.

Power Transmission Plants in Operation. Min. & Sci. Press, vol. 77, p. 582. 2¾ columns.

Sacramento: Folsom Electric Transmission. Min. & Sci. Press, vol. 72, p. 413, 3 columns, I.; and vol. 79, p. 316, 3¼ columns, I.

Electric Power Transmission in Colorado and Utah. Min. & Sci. Press, vol. 79, p. 608. 2 columns.

Electric Power Transmission, California. Min. & Sci. Press, vol. 70, p. 196, 6 columns, I.; and p. 212, 3½ columns, I.

The Riverside Transmission Plant. Min. & Sci. Press, vol. 75, p. 8. 2½ columns.

Long Distance Electrical Transmission. Min. & Sci. Press, vol. 80, p. 317. 1½ columns.

Mount Whitney, California, Electrical Transmission. Min. & Sci. Press, vol. 80, p. 428. 3 columns. I.

The 35-Mile Electrical Power Transmission at Fresno, California. Min. & Sci. Press, vol. 73, p. 5. 4½ columns. I.

Electric and Cable Transmission of Power on the Comstock Lode. Min. & Sci. Press, vol. 57, p. 258. 1½ columns.

Electrical Transmission of Power from Mines: The Methods and Principles which Govern It and Limit the Profitable Distances to which It May be Applied. By F. C. Caldwell. M. & M., May, 1901, p. 436. 3 columns.

Table Showing Voltage and Distance to which an Electric Current can be Transmitted, with Costs. T. A. I. M. E., vol. 26, p. 407.

High-Tension Systems for Mining Purposes. By G. E. Walsh. E. & M. J., Feb. 23, 1905, p. 369. 3 columns.

The Design, Efficiency, and Application of Electric Motors for Transmission of Power in Mines. By W. C. Mountain. T. F. I. M. E., vol. 9, p. 14. 10 pages. I.

Electrical Power Transmission for Mines. By F. O. Blackwell. T. A. I. M. E., vol. 34, p. 487.

Rise of Electrical Transmission: A Description of Some of the Largest of the Long-Distance Transmissions of Electrical Energy in the World. By A. D. Adams. M. & M., Oct., 1902, p. 101. 7½ columns.

Electrical Transmission: Costs and Losses. By A. D. Adams. M. & M., Feb., 1903, p. 300.

Electrical Power Transmission: A Comparison of Direct and Alternating Currents. By A. D. Adams. M. & M., May, 1903, p. 448.

Latest Developments and the Practical Application of Alternating Multiphase Machinery for Electric-Power Transmission. By W. Dixon. T. F. I. M. E., vol. 14, p. 328. 14 pages. I.

Electric-Power Distribution by Continuous Current for Mining and General Purposes in North Wales. By T. P. O. Yale. T. I. M. E., vol. 25, p. 616. 20 pages.

Voltage and Losses on Transmission Lines. By Alton D. Adams. The Electrical Age, Mar., 1904.

Overhead High-Tension Distributing Systems. By H. B. Gear. The Electrical Age, Mar., 1904.

Long Distance Transmission of Energy. By M. H. Gerry, Jr. The Electrical Age, Mar., 1904.

The Electrical Transmission of Water Power. By A. D. Adams. The Electrical Age, vol. 32, p. 42. 12 columns. I.

Principles of Alternating Current Distribution. By F. B. Crocker. Sch. Mines Quart., vol. 21, p. 93. 20 pages. I.

Principles of Electrical Distribution. By F. B. Crocker. Sch. Mines Quart., vol. 18, p. 93, 16 pages, I.; p. 240, 18 pages, I.; and p. 366, 18 pages, I.

The Problem of Electrical Distribution. E. & M. J., vol. 49, p. 62. 5 columns.

Use of Electric Power Transmission at Aspen, Colorado. E. & M. J., vol. 50, p. 625. ½ column.

Power Transmission by Gas and Electricity. By A. D. Adams. M. & M., vol. 20, p. 447. 3¾ columns.

Electrical Transmission of Power. Coll. Engr., vol. 10, p. 111. 3 columns.

The Present Status (1889) of Electrical Transmission of Power. By R. P. Rothwell. E. & M. J., vol. 47, p. 8. 2½ columns.

Electrical Transmission of Power at the Comstock Lode. E. & M. J., vol. 47, p. 498. 1 column.

Electrical Transmission of Power at the Big Bend Tunnel. E. & M. J., vol. 45, p. 343. ⅔ column. I.

Limitations of Electric Power Transmission. By A. S. Morris. E. & M. J., vol. 53, p. 324. ½ column.

The Generation and Electrical Distribution of Motive Power: Cost of Use of Individual Motors per Horse-Power; and Actual Internal Loss in Electric Motors. By J. S. Rowarth. Engineering, London, vol. 68, p. 578. 4½ columns.

Electric Transmission of Power in the West and Some Hints on It. E. & M. J., vol. 54, p. 79. 2 columns. I.

Electric Power Transmission in France. E. & M. J., vol. 75, p. 748. ⅓ column.

The 50,000-Volt Transmission Plant of the Missouri River Power Company. By W. G. McConnon. E. & M. J., vol. 73, p. 789. 4 columns. I.

Electrical Power Transmission and Distribution. By T. C. Martin. Columbia Engineer, 1898–1899, p. 111. 32 pages. I.

Electrical Transmission of Power in Mines. E. & M. J., vol. 35, p. 206. 2 columns.

Electric Transmission of Power. By A. Siemens. T. F. I. M. E., vol. 8, p. 247. 26 pages. I.

The Distribution of Electrical Energy Over Extended Areas in Mines. By A. T. Snell. T. F. I. M. E., vol. 1, p. 141, 16 pages, I.; and vol. 2, p. 149, 15 pages, I.

Notes on an Electric Transmission Plant at East Hawle Colliery. By H. Palmer. T. F. I. M. E., vol. 3, p. 271, 7 pages; and vol. 4, p. 126, 17 pages.

The Practical Transmission of Power by Means of Electricity, and Its Application to Mining Operations. By D. S. Bigge. T. F. I. M. E., vol. 3, p. 278, 26 pages; and vol. 4, p. 126, 17 pages.

The Electrical Transmission of Power and Its Analogies in Hydraulics. By W. Garnett. T. F. I. M. E., vol. 3, p. 914, 22 pages; and vol. 4, p. 126, 17 pages.

Electric Transmission and Electric Drills for Mines. By F. Hille. J. C. M. I., vol. 2, p. 166. 19 pages. I.

Electrical Transmission of Power in Mining. By W. B. Essen. Engineering, London, vol. 66, p. 659. 1 column.

Electric Supply Mains: Standard Sizes, etc. Engineering, London, vol. 70, p. 389. 1 column.

The Action of Electric Currents on Mine-Surveying Instruments. By W. Lenz. E. & M. J., vol. 61, p. 377. 1 column.

An Oregon Electric Transmission Plant. E. & M. J., vol. 60, p. 420. 1¾ columns. I.

Electrical Transmission of Energy of Coal. Min. & Sci. Press, vol. 83, p. 107.

A Twelve-Mile Transmission of Power by Electricity. By T. H. Leggett. T. A. I. M. E., vol. 24, pp. 315, 853.

Electric Power-Transmission in Mining Operations. By H. C. Spaulding. T. A. I. M. E., vol. 19, p. 258.

The Present Status of Electric Transmission of Power. By R. P. Rothwell. T. A. I. M. E., vol. 17, p. 555.

Can We Transmit Power in Large Amounts by Electricity. By N. S. Kieth. T. A. I. M. E., vol. 6, p. 452.

Efficiency of Electrical Power Transmission. E. & M. J., vol. 61, p. 398. Note.

Losses in Transmission of Steam. Coll. Engr., vol. 13, p. 247. 1⅔ columns.

Loss of Pressure in Steam Pipes. E. & M. J., vol. 65, p. 337. ⅓ column.

The Distribution of Steam in Cities. By W. P. Shinn. T. A. I. M. E., vol. 12, p. 632.

Steam Pressure at the Bottom of a Shaft. M. & M., Dec., 1901, p. 236.

The Velocity of Steam. By W. H. Wakeman. Min. & Sci. Press, vol. 84, p. 24. 1½ columns.

Hydraulic Power Transmission. P. E. Soc. W. Pa., vol. 12, p. 200. 22 pages.

Efficiency Figures for Hydraulic Transmission. Engineering, London, vol. 63, p. 728. Table.

The Transmission of Power by Water. By E. B. Ellington. Engineering, London, vol. 63, p. 728. 2 columns. I.

The Transmission of Power. By J. Hopkinson. Engineering, London, vol. 63, p. 729. 1 column.

Distribution of Power in English Mines: The Use of Ropes and Chains and the Causes of Loss and Waste of Power. By S. F. Walker. M. & M., Oct., 1902, p. 109. 2⅓ columns.

Rope Transmission. By S. B. Peck. J. W. Soc. E., vol. 2, p. 301. 39 pages. I.

Rope-Driving. By C. W. Hunt. Coll. Engr., vol. 11, p. 135. 4 columns. D.

The Operation of a Wire Rope in Multiple Laps: The Construction and Arrangement of Sheaves, Brakes, etc., to Avoid Undue Wear on Ropes. By W. Hewitt. M. & M., Apr., 1904, p. 428. 5½ columns. I.

The Transmission of Power by Wire Rope: Calculating Horse-Powers that may be Transmitted; Arrangement of Sheaves; Methods of Construction. By W. H. Graves. M. & M., Apr., 1904, p. 431. 6 columns. I.

Operation of Wire Rope in Multiple Laps. By Wm. Hewitt. Stevens' Indicator, Oct., 1901. By R. D. Seymour. Stevens' Indicator, Jan., 1902.

Rope Transportation: Deflection of Rope. M. & M., June, 1904, p. 543.

Ropes and Rope Driving. By L. H. Kenyon. Canadian Engineer, Oct., 1898.

Mechanical World (London), Nov. 20, 1896; Dec. 16, 1898; Mar., 1899.

Problems in Continuous Rope Driving. P. I. C. E., Nov., 1897.

Eng. News, 1897, vol. 2, p. 407.

European Rope Driving Practice. Power, Feb., 1897.

Centrifugal Tension in Ropes and Belts. Mechanical World (London), Jan. 20, 1899.

Rope-Driving. By C. W. Hunt. E. & M. J., vol. 51, p. 138. 3 columns.

Transmission of Power by Wire Ropes. By A. W. Stahl. 1889.

Transmission of Power by Ropes in Mines. By G. D. Rice. E. & M. J., vol. 65, p. 99. 2 columns. I.

A Rope Transmission Problem. M. & M., vol. 24, p. 124. 1½ columns. I.

A Problem in Transmission of Power (by Ropes). Min. & Sci. Press, vol. 39, p. 118. 2¼ columns. I.

Notes on the Present Position of the Question of the Transmission of Power. By A. L. Steavenson. T. F. I. M. E., vol. 2, p. 191. 13 pages.

THE DISTRIBUTION OF POWER IN ENGLISH MINES: Animal Power; The Horse and the Factors which Enter into the Expense of Haulage by Animal Power. By S. F. Walker. M. & M., May, 1902, p. 444. 2¼ columns.

THE INDIVIDUAL APPLICATION OF ELECTRIC MOTORS TO MACHINERY. By William Cooper. The Electrical Age, Mar., 1904.

THE ELECTRIC MOTOR IN MILL WORK. By S. S. Wales. P. E. Soc. W. Pa., vol. 18, p. 142. 11½ pages. I.

NEW AND OLD SYSTEMS OF POWER DISTRIBUTION IN FACTORIES. By G. S. Dunn. Columbia Engineer, 1897–1898, p. 121. 18 pages. I.

REDUCTION

The Reduction of Ores; Methods and Practice

THE FIRST QUARTZ MILL IN CALIFORNIA. Min. & Sci. Press, vol. 26, p. 1. 1 column. I.

PRIMITIVE METHOD OF QUARTZ CRUSHING. Min. & Sci. Press, vol. 29, p. 25. ¾ column. I.

EXPERIMENTS IN CRUSHING GOLD ORES. By W. F. Wilkinson. T. I. M. & M., vol. 14, p. 74, 39 pages; p. 114, 54 pages.

CRUSHING AND PULVERIZING OF GOLD ORES. Coll. Engr. & Met. Miner, vol. 17, pp. 154, 203, 266.

THE CHOICE OF COARSE- AND FINE-CRUSHING MACHINERY AND PROCESSES OF ORE TREATMENT. By A. G. Charleton. T. F. I. M. E., vol. 4, p. 233, 42 pages; p. 351, 60 pages; vol. 5, p. 271, 84 pages; vol. 6, p. 69, 38 pages; p. 295, 51 pages; p. 457, 54 pages; vol. 7, p. 67, 44 pages.

HADFIELD'S CRUSHING MACHINERY. Engineering, London, vol. 78, p. 572. 2½ columns. I.

CRUSHING MACHINERY OF THE FRYER PROCESS. Min. & Sci. Press, vol. 32, p. 289. 2½ columns. I.

THE EFFECT OF VARIATIONS IN THE SPEED OF CRUSHING MACHINERY UPON THE PRODUCTION OF UNDERSIZED MATERIAL. By H. W. Gartrell. Sch. Mines Quart., vol. 27, p. 28. 6 pages.

A BARYTES GRINDING PLANT. By E. K. Judd. E. & M. J., vol. 83, p. 996. 3¾ columns. I.

PRIMITIVE MEXICAN CRUSHING AND DRESSING PLANT (Stamps and Arresters). By F. H. Probert. E. & M. J., vol. 83, p. 655. 6 columns. I.

CORNISH METHODS OF CRUSHING AND ORE DRESSING. By E. Walker. E. & M. J., vol. 83, p. 708. 11½ columns. I.

REDUCTION PLANT AND PROCESS AT THE OROYA-BROWNHILL MINES, KALGOORLIE. By R. Allen. Min. & Sci. Press, vol. 91, p. 366, 3 columns; p. 384, 1 column.

REDUCTION OF SILVER ORES IN CHILI. By J. Douglas. E. & M. J., vol. 14, p. 4. 1⅔ columns.

PROGRESS IN ORE-REDUCING MACHINERY. Min. & Sci. Press, vol. 79, p. 492. 1⅓ columns.

CRUSHING MACHINERY FOR MINES. Min. & Sci. Press, vol. 91, p. 209, 1½ columns; p. 228, 11½ columns.

CRUSHING. Min. & Sci. Press, vol. 80, p. 260, 2¾ columns, I.; p. 292, 2¾ columns.

THE RATIONALE OF ROCK CRUSHING. By O. H. Howarth. M. & M., vol. 81, p. 441. 6½ columns. I.

BURNING QUARTZ BEFORE CRUSHING. Min. & Sci. Press, vol. 51, p. 308. 1 column.

BURNING QUARTZ BEFORE CRUSHING. Min. & Sci. Press, vol. 28, p. 113. ⅔ column.

QUARTZ CRUSHING MACHINERY. Min. & Sci. Press, vol. 43, p. 411. 4½ columns.

Ore Crushing. By J. Richards. Min. & Sci. Press, vol. 41, p. 8, 2 columns; p. 24, 1½ columns; p. 40, 1¼ columns.

Modern Crushing and Grinding Machinery. By P. Argall. E. & M. J., vol. 79, p. 889. 4¾ columns.

Kroms' Ore Crushing Machinery. E. & M. J., vol. 40, p. 257. 3½ columns. I. D.

Mechanical Crushing, Saxony. Sch. Mines Quart., vol. 14, p. 225. 6 pages. I.

Influence of Fine Crushing on the Assay Value. By A. Whitby. Min. Mag., Feb., 1905, p. 176.

Crushing and Cyanidation. By F. C. Roberts. E. & M. J., Mar. 2, 1905, p. 418. 5½ columns.

Discussion on the Crushing of Iron-Ore for Magnetic Separation. T. A. I. M. E., vol. 21, p. 533.

Diagram for Determining Fineness of Crushing Necessary in Ore Sampling. T. A. I. M. E., vol. 25, p. 842.

Notes on Crushing and Sizing in the Ore-Dressing Laboratories of McGill University. By J. B. Porter. J. C. M. I., vol. 4, p. 205. 19 pages. I.

Improvements in Ore-Crushing Machinery. By S. R. Krom. T. A. I. M. E., vol. 14, p. 497.

The Blake System of Fine Crushing and Its Economic Results. By T. A. Blake. T. A. I. M. E., vol. 16, p. 753.

The Blake System of Fine Crushing. By T. A. Blake. T. A. I. M. E., vol. 13, p. 210.

Crushing and Grinding Practice at Kalgoorlie. By A. James. Min. & Sci. Press, vol. 93, p. 109. 3 columns.

Cyanide Practice at Kalgoorlie. Min. & Sci. Press, vol. 93, p. 744. 3¾ columns.

New Methods of Grinding in the African Gold Mines. M. & M., vol. 26, p. 488. 2½ columns.

Granulating Magnetic Iron-Ores with the Sturtevant Mill at Croton Magnetic Iron Mines, New York. By W. H. Hoffman. T. A. I. M. E., vol. 21, p. 126.

Crushing Iron-Ores with the Sturtevant Mill for Concentration. By S. R. Krom. T. A. I. M. E., vol. 21, p. 520.

Note on the Influence of Fine Crushing on the Assay Value. By A. Whitby. P. C. M. & M. Soc. S. A., vol. 5, p. 95. 4 pages.

Wet Crushing without Loss. Min. & Sci. Press, vol. 19, p. 248. ½ column.

Flint Mill (for Wet Grinding) on the Rand. J. C. & M. Soc. S. A., vol. 4, p. 166. 6 pages. I.

Notes on Wet and Dry Crushing. By F. Merricks. T. I. M. & M., vol. 7, p. 35. 24½ pages.

A System of Crushing Rock in Stages by Wet Process, and Suggestions as to How this Object can Best be Achieved. By E. D. Chester. J. C. & M. Soc. S. A., vol. 4, p. 91. 25½ pages.

The Estimation of Gold in Ore and Data on Dry-Crushing Experiments. By F. White. J. C. & M. Soc. S. A., vol. 2, p. 137. 5 pages.

Dry Crushing of Ores by the Edson Process. By W. Simpkins and J. B. Ballantine, T. I. M. & M., vol. 14, p. 62. 11 pages. I.

Data on Dry-Crushing Experiments. J. C. & M. Soc. S. A., vol. 2, p. 137. 5 pages.

Notes on Dry Crushing. By A. F. Crosse. J. C. & M. Soc. S. A., vol. 1, p. 66. 9 pages.

Sampling and Dry-Crushing in Colorado. By P. Argall. T. I. M. & M., vol. 10, p. 234. 70 pages. I.

Dry Crushing on the Hauraki Gold-Field, New Zealand. By P. G. Morgan. Min. Mag., Aug., 1904, p. 136. ½ column.

Dry Crushing (Stamping). E. & M. J., vol. 59, p. 392. ⅔ column. I.

The Discharge in Dry Crushing Batteries. Min. & Sci. Press, vol. 27, p. 153. 1½ columns. I.

Regrinding of Sands for Cyaniding. T. I. M. & M., vol. 14, pp. 28, 29.

Automatic Feeders for Reducing Machinery

Advantages of Automatic Feeders. Min. & Sci. Press, vol. 28, p. 56. ¼ column.

Hand vs. Machine Feeding of Stamp-Mills, Gilpin County, Colorado. E. & M. J., vol. 54, p. 246. Note.

Feeder for a Tube-Mill. By N. C. Groch and F. J. Nagel. Min. & Sci. Press, vol. 94, p. 541. 2 columns. I.

A Spiral Feeder for Tube Mills. By W. H. Fox. E. & M. J., vol. 84, p. 1133. 1 column. I.

Ore Feeder, Oriental Mill. E. & M. J., vol. 55, p. 561.

A Suspended Ore Feeder. E. & M. J., vol. 78, p. 147. ¼ column. I.

Ore Feeder for Quartz Mills. Min. & Sci. Press, vol. 26, p. 408, ½ column, I.; vol. 27, p. 98, 1 column, I.

Tullock's Automatic Ore Feeder. Min. & Sci. Press, vol. 29, p. 1. 2 columns. I.

Hendy's Ore-Feeder. Min. & Sci. Press, vol. 29, p. 193. ¼ column. I.

Cochrane's Automatic Ore Feeder. Min. & Sci. Press, vol. 31, p. 353. 1⅓ columns. I.

A Suspended Feed-Table for Rolling-Mills. By J. Morgan. T. A. I. M. E., vol. 19, p. 42.

Ore Feeders. Min. & Sci. Press, vol. 32, p. 256. 1½ columns. I.

A New Ore Feeder. Min. & Sci. Press, vol. 35, p. 322. ½ column.

The Victor Ore Feeder. Min. & Sci. Press, vol. 35, p. 401. 1 column. I.

The Stanford Ore Feeder. Min. & Sci. Press, vol. 40, p. 73. ⅓ column. I.

The Roller Ore-Feeder. Min. & Sci. Press, vol. 42, p. 233. ¼ column. I.

Facts About Ore Feeders. Min. & Sci. Press, vol. 42, p. 236. ⅔ column.

Dodge's Distributor. Min. & Sci. Press, vol. 67, pp. 81, 83. ⅓ column. I.

The "James" Ore Feeder. Min. & Sci. Press, vol. 77, p. 101. 2 columns. I.

A Suspended Ore-Feeder. Min. & Sci. Press, vol. 55, p. 81. 1 column. I.

Hinkle's Ore Feeder. Min. & Sci. Press, vol. 61, p. 1. 1 column. I.

Huntington's Ore-Feeder. Min. & Sci. Press, vol. 64, p. 1. 1½ columns. I.

Improved Challenge Ore-Feeder — the "Perfect." E. & M. J., Feb. 2, 1905, p. 250. 2 columns.

Crushers: Construction and Operation

Crushing for Concentrating Work: Types of Machines — the Blake. M. & M., Dec., 1904, p. 232.

Size of Blake Crusher and Rolls for a Capacity of 250 Tons per 24 Hours. E. & M. J., vol. 80, p. 164. Note.

The Buchanan Rock Breaker and Crushing Rolls. E. & M. J., vol. 66, p. 610. 2¼ columns. I.

Old Form of Multiple (Jaw) Blake Crusher. T. A. I. M. E., vol. 16, p. 754.

The Bunnell Rock and Ore Breaker. M. & M., May, 1901, p. 449. ¾ column.

Open-Door Rotary Crushers. M. & M., Nov., 1904, p. 167.

Hadfield's Halcon Gyratory Crusher. E. & M. J., vol. 78, p. 475. 3½ columns. I.

Ore-Dressing in Europe: Rock-Breaking. Sch. Mines Quart., vol. 4, p. 185. 1 page.

The Heclon Rock and Ore Breaker. E. & M. J., vol. 75, p. 712. 2 columns. I.

A Large Ore Crushing Plant at Escanaba. E. & M. J., vol. 75, p. 672. 1 column.

The M'Cully Rock and Ore Crusher. E. & M. J., vol. 56, p. 315. 2 columns. I.

Capacity of Blake Crushers. E. & M. J., vol. 76, p. 663. 1¼ columns.

The Meech Crusher: Rubbing Jaw Type. E. & M. J., vol. 38, p. 300. ¼ column. I.

The Lowry Rock and Ore Breaker. E. & M. J., vol. 52, p. 638. ½ column. I.

The Brennan Rock Breaker. E. & M. J., vol. 41, p. 213. 3 columns. I.

The Lancaster "Rock-Breaker" and Ore Crusher. E. & M. J., vol. 43, p. 96, ½ column, I.; p. 345, 1 column, I.

Blake's Stone-Breaker with Rotary Picking Table. E. & M. J., vol. 9, p. 241. 1½ columns. I.

Combined Steam Engine and Crusher. Min. & Sci. Press, vol. 33, p. 233. ½ column. I.

A Cheap Rock Breaker for Miners' Use. Min. & Sci. Press, vol. 32, p. 401. ½ column. I.

The Hendy Ore Crusher. Min. & Sci. Press, vol. 41, p. 333. ½ column. I.

Huntington's Ore Crusher. Min. & Sci. Press, vol. 51, p. 193. ⅞ column. I.

The Nichols Ore Breaker. Min. & Sci. Press, vol. 52, p. 393. ½ column.

The Gates Ore Crusher. Min. & Sci. Press, vol. 56, p. 245. 1 column. I.

Blake's Multiple Jaw Crusher. Min. & Sci. Press, vol. 58, p. 303. 2 columns. I.

Fulton Rock-Breaker. Min. & Sci. Press, vol. 60, p. 109. 4 columns. I.

Reduction in the Rand Mines by Crushers. Witwatersrand Gold-Fields, p. 425. 3 pages. I.

Booth's Improved Blake Rock-Breaker. Min. & Sci. Press, vol. 64, p. 185. 4 columns. I.

Ore Breakers or Crushers. Univ. Geol. S. of Kans., vol. 8, p. 264. 2½ pages. I.

Blake's Crusher. E. & M. J., vol. 5, p. 161, 1 column, I.; vol. 13, p. 169, ¾ column.

The Blake Stone- and Ore-Breaker. Its Invention, Forms and Modifications and Its Importance in Engineering Industries. By W. P. Blake. T. A. I. M. E., vol. 33, p. 988.

Stone and Ore Breaking Machine, Blake's. E. & M. J., vol. 11, p. 352. 3 columns. I.

Minimum Size of Crushing by Breaker. Min. & Sci. Press, vol. 93, p. 183. Note.

Breaking Piece for a Swinging-Jaw Rock Breaker. By G. E. Brown. T. I. M. & M., vol. 16, p. 195. 2 pages. I.

Preliminary Breaking of Ore on the Rand. J. C. & M. Soc. S. A., vol. 4, p. 117. 1 page.

Rolls: Construction and Operation

Rolls: Pressure Applied by Means of Weighted Levers. Min. & Sci. Press, vol. 33, p. 265. ½ column. I.

Speed of Rolls, Crushing Various Sized Material. E. & M. J., vol. 81, p. 188. Note.

To Avoid Choking in Rolls: Formula. Min. & Sci. Press, vol. 82, p. 250. Note.

Crushing with Rolls. By R. K. Humphrey. E. & M. J., Jan. 12, 1905, p. 77. 5 columns. I.

Theory of Crushing with Rolls. T. A. I. M. E., vol. 9, p. 464.

The Sturtevant Centrifugal Rolls. E. & M. J., vol. 69, p. 111. 1 column. I.

Sturtevant Centrifugal Crushing Rolls. M. & M., Jan., 1903, p. 253. 1¼ columns.

Centrifugal Rolls. M. & M., vol. 20, p. 328. 1½ columns. I.

Springs on Crushing Rolls. By L. Searing. E. & M. J., vol. 79, p. 657. 1¾ columns.

Toothed-Rolls. T. A. I. M. E., vol. 9, plates I to III.

Machinery for Breaking Coal. T. A. I. M. E., vol. 19, p. 414.

Three-High Rolls. By A. L. Holley. T. A. I. M. E., vol. 1, p. 287.

The Granulation of Iron-Ore by Means of Crushers and Rolls. By A. Sahlin. T. A. I. M. E., vol. 21, p. 521.

Sectional Cushioned Rolls. By J. W. Pinder. T. A. I. M. E., vol. 28, p. 243.

The Davis Crushing Rolls. E. & M. J., vol. 61, p. 159. 1 column. I.

The Roger Improved Crushing Rolls. E. & M. J., vol. 60, p. 587. 1 column. I.

Crushing Rolls for Coal Washing Plant. Sch. Mines Quart., vol. 17, p. 391. ⅞ page.

Ore-Dressing in Europe: Roll-Crushing. Sch. Mines Quart., vol. 4, p. 198. 4 pages.

Cornish Rolls of the Fort Scott Machine Works. E. & M. J., vol. 39, p. 245. ½ column. I.

Jackson's Improved Crushing Rolls. E. & M. J., vol. 40, p. 305. ½ column. I.

Wall's Crushing Rolls: Spirally Corrugated Rollers. Min. & Sci. Press, vol. 56, p. 65. 3 columns. I.

Wild's Roughing and Finishing Rolls. Min. & Sci. Press, vol. 60, p. 247. 4 columns. I.

Bowers' Roller Mill. Min. & Sci. Press, vol. 61, p. 9. ¾ column. I.

High Class Rolls. Min. & Sci. Press, vol. 62, p. 145. 1 column. I.

Wall's Crushing Rolls (Corrugated and Spiral). Min. & Sci. Press, vol. 68, p. 49. ½ column. I.

Cornish Roll Grinder. Min. & Sci. Press, vol. 48, p. 135. ½ column. I.

When the Cornish Rolls were First Used. E. & M. J., vol. 81, p. 813. Note.

Some Points in Wet and Dry Crushing by Rolls. By R. B. Lamb. Min. & Sci. Press, vol. 89, p. 141. 1 column.

Rolls as Used in the Joplin District. Univ. Geol. Surv. of Kans., vol. 8, p. 267. 4 pages. I.

Anthracite Coal-Breaking and Sizing Plant at Glyncastle Colliery. By W. D. Wight. T. F. I. M. E., vol. 12, p. 238. 19 pages. I.

Elements in the Design of Roll Crushing Plants. By J. Scoley. Min. & Sci. Press, vol. 82, p. 250. 2¾ columns.

Capacity of Rolls per Hour Set at Given Opening. Min. & Sci. Press, vol. 93, p. 683. Note.

Stamp-Mill Practice

Origin of the California Stamp. By C. P. Stanford. Min. & Sci. Press, vol. 67, p. 262. 2⅔ columns.

Battery Frames. Min. & Sci. Press, vol. 70, p. 376. 2 columns. I.

A Cantilever Battery Frame. By I. C. Boss. E. & M. J., vol. 77, p. 404. 3 columns. I.

Battery Foundations. E. & M. J., vol. 77, p. 877. 1 column.

Duty of Stamps on Rand and Elsewhere. E. & M. J., vol. 78, p. 141. Table.

A Built-up Wooden-Framed Stamp Battery. E. & M. J., vol. 61, p. 541. ½ column. I.

The "A" Battery Frame for Stamp Mills. By R. W. Barrell. M. & M., vol. 20, p. 181. 2¼ columns. I.

The "A" Frame Battery. Min. & Sci. Press, vol. 90, p. 252. 1¾ columns. I.

The Husband Pneumatic Stamp Used at Cornwall. E. & M. J., vol. 83, p. 709. ½ column. I.

Atmospheric Stamp (Steens). Min. & Sci. Press, vol. 41, p. 205. ¾ column. I.

The Huntington Oscillating Stamp. Min. & Sci. Press, vol. 41, p. 237. ⅔ column. I.

Kendall's Rotary Stamp. Min. & Sci. Press, vol. 41, p. 265. ½ column. I.

Day's Atmospheric Stamp. Min. & Sci. Press, vol. 45, p. 161. 1 column. I.

McFarland's Prospecting Stamp. Min. & Sci. Press, vol. 47, p. 161. 1½ columns. I.

A New Rotary Stamp Mill. Min. & Sci. Press, vol. 36, p. 193. 3 columns. I.

The Nissen Stamp. M. & M., vol. 26, p. 170. 2 columns. I.

Nissen's Circular Stamp Mortar. E. & M. J., Jan. 26, 1905, p. 203.

Kendall's Oscillating Stamp. Min. & Sci. Press, vol. 31, p. 161. ½ column. I.

The "Elephant Ore Stamp." Min. & Sci. Press, vol. 37, p. 81. 1 column. I.

Hand-Power Prospecting Stamp Mill. Min. & Sci. Press, vol. 38, p. 217. ⅓ column. I.

New Form of Stamp Mill. Min. & Sci. Press, vol. 38, p. 297. 1 column.

An Improved (Stamp) Coin. Min. & Sci. Press, vol. 40, p. 9. ½ column. I.

Single-Stamp Mill. Min. & Sci. Press, vol. 94, p. 146, 1¾ columns; p. 303, ⅔ column.

The Hand-Stamp. By Geo. J. Bancroft. Min. & Sci. Press, vol. 92, p. 365. ¾ column. I.

An Ingenious Stamp-Mill. By L. Fogle and R. Leonard. Min. & Sci. Press, vol. 93, p. 319. 2 columns. I.

Cantilever Stamp Battery. Min. & Sci. Press, vol. 92, pp. 104 and 105. ¼ column. I.

A Modern Stamp-Mill. Min. & Sci. Press, vol. 92, p. 200. ½ column. I.

Origin of the California Stamp. Min. & Sci. Press, vol. 76, p. 107. 3½ columns. I.

The Cornish Stamp Mill. By C. M. Myrick. Min. & Sci. Press, vol. 83, p. 326. 2 columns. I.

The Model Battery of 1895. Min. & Sci. Press, vol. 70, p. 329. ⅔ column. I.

Steel Frame Stamp Battery. Min. & Sci. Press, vol. 71, p. 265. 3 columns. I.

Battery Frames. Min. & Sci. Press, vol. 75, p. 345. 3 columns. I.

A High-Speed Battery. Min. & Sci. Press, vol. 75, p. 92.

Innovation in Stamp Practice. Min. & Sci. Press, vol. 75, p. 168. ¾ column.

A Novel Quartz Mill: Stamp. Min. & Sci. Press, vol. 88, p. 43. 2 columns. I.

Two-Stamp and Three-Stamp Mills. Min. & Sci. Press, vol. 77, p. 305. 1 column. I.

A California Stamp Mill. Min. & Sci. Press, vol. 70, p. 198. 2½ columns.

Small Batteries. Min. & Sci. Press, vol. 44, p. 195. ⅔ column.

"Float Batteries." Min. & Sci. Press, vol. 16, p. 105. ½ column. I.

Stamp Batteries: Round and Square Stamps, etc. Min. & Sci. Press, vol. 25, p. 194. ⅔ column.

The Trip Hammer Quartz Mill: Stamp. Min. & Sci. Press, vol. 23, p. 105. ½ column. I.

California Battery in Europe. Min. & Sci. Press, vol. 27, p. 353. 1½ columns. I.

Light Stamps not the Best. Am. Jour. Min., vol. 2, p. 217. ⅔ column.

Dart's Improved Stamps. Am. Jour. Min., vol. 2, p. 81. ½ column. I.

The Parnall Krause Stamp Mill Mortar. E. & M. J., vol. 73, p. 488. 3 columns. I.

The Sharpneck Stamp. E. & M. J., vol. 37, p. 445. 1 column. I.

Comparative Table of Stamp Mills, Giving General Characteristics of Six of the Principal Gold-Mining Centers. T. F. I. M. E., vol. 7, p. 108. Table.

Gravitation Stamp Mills for Quartz Crushing. By D. B Morison. Engineering, London, vol. 63, p. 624, 4 columns, I.; p. 661, 5½ columns, I.; p. 791, 1 column.

A Development in Gravitation Stamp Mills. By D. B. Morison and D. A. Bremner. T. I. M. & M., vol. 8, p. 156.

A Bodie Gold Stamp Mill. By R. G. Brown. E. & M. J., vol. 61, p. 615. 3½ columns. I.

Gravity Stamps. M. & M., Aug., 1903, p. 39.

The Pachuca Stamp-Battery and Its Predecessors. By M. P. Boss. T. A. I. M. E., vol. 32, p. 244.

Merrall's Stamp Mill. E. & M. J., Jan. 26, 1905, p. 202.

A Primitive Stamp Mill. E. & M. J., vol. 67, p. 531. ¾ column. I.

Morison's High Speed Stamp Mill. E. & M. J., vol. 65, p. 705. 1½ columns. I.

The Elephant (Spring) Stamp. E. & M. J., vol. 32, p. 41. 1 column. I.

Stamp Mill Construction. E. & M. J., Feb. 23, 1905, p. 374. ⅔ column.

Notes on Stamp-Battery Construction. By C. G. W. Lock. T. I. M. & M., vol. 9, p. 310. 2½ pages. I.

The Husband Oscillating Stamp in Cornwall. E. & M. J., vol. 38, p. 329. ⅔ column.

Specifications for Battery-Frames, Blocks (Mortar), etc. Min. & Sci. Press, vol. 72, p. 186. ⅔ column.

Specifications for a 40-Stamp Gold Mill. Min. & Sci. Press, vol. 72, p. 165, 4½ columns; p. 206, 2 columns.

The Duty of Stamp Mills in Crushing and Amalgamation. By C. DeKalb. J. C. M. I., vol. 4, p. 190. 5 pages.

Influence of the Velocity on the Effective Duty of Stamps. By W. Main. E. & M. J., vol. 15, p. 241. 2 columns.

Stamp Duty and Consumption of Water at Falun, Sweden. Min. & Sci. Press, vol. 31, p. 265. Note.

Duty of Steam Stamps. E. & M. J., vol. 78, p. 918. Note.

Influence of the Velocity of Impact on the Effective Duty of Stamps. Min. & Sci. Press, vol. 26, p. 290. 1¾ columns.

Stamp Mill Capacity. Min. & Sci. Press, vol. 91, p. 444. ¾ column.

Stamp Mill Capacity. Min. & Sci. Press, vol. 90, p. 239. 2 columns.

The Duty of a Stamp Mill. Min. & Sci. Press, vol. 87, p. 381. 2½ columns.

Order of Drop of Stamps. Min. & Sci. Press, vol. 87, p. 306. ⅓ column.

Stamp Mortars. M. & M., Apr., 1903, p. 424. 3 columns.

Some Accessory Stamp-Mill Appliances. By G. O. Smart. E. & M. J., vol. 83, p. 471. 2¼ columns. I.

The Size of a Stamp-Shoe. Min. & Sci. Press, vol. 93, p. 50. ⅞ column.

Estimate of Supplies Needed to Run a 10-Stamp Mill for One Month. Min. & Sci. Press, vol. 94, p. 33 (? 825). ¾ column.

Stamp-Mill Practice: Order of Drop of Stamp. Min. & Sci. Press, vol. 77, p. 352. ½ column.

Vibration in Batteries. By B. Waites. Min. & Sci. Press, vol. 86, p. 411. 1½ columns.

Breakage and Wear in a 240-Stamp Mill, Alaska-Treadwell. Min. & Sci. Press, vol. 85, p. 20. Note.

The Breakage of Stamp Stems. By M. P. Boss. Min. & Sci. Press, vol. 86, p. 102. 1 column.

Some Varieties of Wood Battery Guides. By W. J. Sharwood. Min. & Sci. Press, vol. 88, p. 242. 3½ columns. I.

Connecting the Apron and Battery. Min. & Sci. Press, vol. 59, p. 101. 2 columns. I.

The Weight of Stamps in Quartz Batteries. Min. & Sci. Press, vol. 51, p. 373. ½ column.

Stamps. Min. & Sci. Press, vol. 52, p. 157. 1 column.

A New Circular Stamp Battery. Min. & Sci. Press, vol. 52, p. 253. 1 column. I.

Gold-Milling Mortars. Min. & Sci. Press, vol. 60, p. 169. 2 columns. I.

Curve of Quartz-Mill Cams. Min. & Sci. Press, vol. 47, p. 168. ½ column.

James Reciprocating (Rocking) Stamp. Min. & Sci. Press, vol. 53, p. 277. ½ column. I.

The Economic Rotary Stamp. Min. & Sci. Press, vol. 54, p. 265. 1 column. I.

The Double Economic Stamp. Min. & Sci. Press, vol. 55, p. 209. ½ column. I.

The "Bally" Cam for Stamp Mills. Min. & Sci. Press, vol. 66, p. 84. ⅓ column.

The Coleman Tappet. Min. & Sci. Press, vol. 41, p. 109. ½ column. I.

Drawing of Involute for Stamp Cam or Cage Dog. Coll. Engr., vol. 13, p. 153. ½ column. I.

The Newton Mortar (750 Pound Stamp). By F. T. Snyder. E. & M. J., vol. 58, p. 511. ⅔ column. I.

Hammond's Improved Cam and Tappet. Min. & Sci. Press, vol. 27, p. 225. 1 column. I.

Cochrane's Improved Cam. Min. & Sci. Press, vol. 35, p. 81. ½ column. I.

Raleigh's Balanced Cam for Stamp Batteries. E. & M. J., vol. 54, p. 107. 1½ columns. I.

The Krause Atmospheric Stamp. E. & M. J., vol. 77, p. 769. 3¼ columns. I.

Mortar Blocks. Min. & Sci. Press, vol. 89, p. 187. ¾ column.

Bremner's Mortar Box for Stamp Mills. E. & M. J., vol. 80, p. 1063. 1⅓ columns. I.

Battery Foundations. E. & M. J., vol. 78, p. 421. 2 columns.

Stamp Tappets. By M. P. Boss. E. & M. J., vol. 78, p. 584. 2 columns. I.

Wear of Shoes and Dies in Stamp-Mills. T. F. I. M. E., vol. 7, p. 107.

Anvil Blocks for Mortars. E. & M. J., vol. 78, p. 146. 1 column. I.

Stamp-Battery Screens. M. & M., June, 1903, p. 520. 2 columns.

Stamp Cams and Cam-Shafts: A Description of the Different Forms of Cams and Methods of Fastening them to the Shaft; Construction of Shaft. M. & M., Sept., 1903, p. 74. 2½ columns. I.

Guides for Stamps. M. & M., Mar., 1903, p. 373. 2 columns.

Stamp-Guides: The MacDonough Type. T. A. I. M. E., vol. 33, p. 518.

Weight of Stamp, Drop, Speed, and Amount of Turn of Stamps in Various Mills. T. A. I. M. E., vol. 23, p. 568.

On the Weight, Fall, and Speed of Stamps. By H. S. Munroe. T. A. I. M. E., vol. 9, p. 84.

The Nordberg Compound Steam Stamp. E. & M. J., vol. 84, p. 349. 7 columns. I.

Notes on Steam and Other Stamps. Min. & Sci. Press, vol. 78, p. 232. 3½ columns.

Improved Steam Stamp Mill. E. & M. J., vol. 6, p. 401. 1½ columns. I.

Wilson's Patent Steam Stamp-Mill. E. & M. J., vol. 5, p. 17. ⅔ column. I.

Direct-Acting Steam Stamp Mill. Am. Jour. Min., vol. 7, p. 289. 2 columns. I.

The First Steam Stamp: Where Used. E. & M. J., vol. 79, p. 707. Note.

Steam Stamp for the Tamarack Mill, Michigan. E. & M. J., vol. 67, p. 237. 1⅙ columns. I.

The Wood Steam Stamp. E. & M. J., vol. 68, p. 491. 2 columns. I.

Steam Stamps, Lake Superior. M. & M., July, 1903, p. 538.

Notes on the Steam Stamp. By F. G. Coggin. E. & M. J., vol. 41, p. 210, 1½ columns; p. 232, 4⅔ columns, I.

The Ball Steam Stamp. Min. & Sci. Press, vol. 34, p. 345. 3½ columns. I.

The Wilson Patent Steam Stamp. Min. & Sci. Press, vol. 19, p. 305. 2 columns. I.

Giant Crushing of Copper Ore: Steam Stamp of 700 Tons Capacity. By A. S. Atkinson. M. & M., vol. 26, p. 346. 2½ columns.

Direct Steam Ore Stamps. By C. H. Fitch. Min. & Sci. Press, vol. 87, p. 25. 2 columns.

Steam Stamps at the Baltic Mill, Lake Superior. T. I. M. & M., vol. 14, p. 191. 1¼ pages.

Stamp Mills of Lake Superior. By J. F. Blandy. T. A. I. M. E., vol. 2, p. 208.

Stamp Milling Practice in Nova Scotia, and the Advantage of Introducing Water under Pressure below the Crushing Surfaces in the Gold Stamp Mill. By M. R. O'Shaughnessy. J. M. Soc. N. S., vol. 8, p. 110. 12 pages. I.

More Notes on Stamp Mill Practice. By C. DeKalb. J. C. M. I., vol. 9, p. 64. 8 pages.

High Stamp Duty in Gold Milling. By A. M. Johnston. E. & M. J., vol. 82, p. 1016. 2¾ columns.

The Stamp Mill of the Palmer Mountain Mill. E. & M. J., vol. 82, p. 1081. 2 columns. I.

Notes on Stamp Mill Practice. By C. DeKalb. E. & M. J., vol. 82, p. 245. 6½ columns.

Experiences in Stamp-Mills. By A. Del Mar. Min. & Sci. Press, vol. 93, p. 138. 3 columns. I.

Stamps: Minas Prietas Reduction Works. By M. R. Lamb. Min. & Sci. Press, vol. 93, p. 147. 3 columns. I.

The Evolution of the 500-Stamp Mill on Douglas Island, Alaska. By H. Watson. Min. & Sci. Press, vol. 80, p. 668. 2¼ columns.

Location, Cost, and Capacity of Comstock Stamp Mills. Min. & Sci. Press, vol. 34, p. 81. ⅔ column.

Innovations in Stamp Practice. Min. & Sci. Press, vol. 75, p. 220. 1⅔ columns.

Diverting Battery-Discharge During Clean-up. Min. & Sci. Press, vol. 93, p. 566. ¾ column.

Data for Stamp Battery Practice, Elkhorn Mine, Montana. U. S. G. S., 22d Ann. Rept., pt. 2, p. 416. Table.

Crushing Tin Ore at the Dolcoath Tin Mines: Stamps and Huntington Mills. Tin Deposits of the World, p. 186. 1½ pages.

Notes on Crushing of Metalliferous Ores in the Stamp Battery in Africa. By F. O. Roberts. Min. & Sci. Press, vol. 89, p. 425, 2 columns; p. 436, 2⅔ columns, I.; vol. 90, p. 10, 2½ columns; p. 21, 2½ columns.

Best Stamp Mill Practice on Low Grade Ores. Min. & Sci. Press, vol. 86, p. 19. Note.

The Nissen Stamp Mill: Said to be the Largest Capacity Gravity Stamp Mill in the World. By P. N. Nissen. M. & M., vol. 27, p. 71. 2 columns. I.

Proposed Change in Stamp Mill Practice. Min. & Sci. Press, vol. 76, p. 228. 2 columns. I.

Stamp Mill Work. By J. Scobey. Min. & Sci. Press, vol. 83, p. 118. 3 columns. I.

Horsepower Required for 20-Stamp Mill. Min. & Sci. Press, vol. 80, p. 376. ⅙ column.

Crushing Quartz: Stamps *vs.* Rotary Pulverizers. Min. & Sci. Press, vol. 56, p. 18. 4½ columns.

Limitations of the Gold Stamp Mill. By P. Argall. Min. & Sci. Press, vol. 68, p. 133. 3 columns.

Certain Stamp Mill Practices. By J. W. Abbott. Min. & Sci. Press, vol. 74, p. 5. 1½ columns.

Rapid and Slow-Drop Stamps in Colorado. Min. & Sci. Press, vol. 74, p. 49. 1 column.

Rapid-Drop Stamps. Min. & Sci. Press, vol. 74, p. 152. ½ column.

A New Quartz Stamp. Min. & Sci. Press, vol. 74, p. 304. 1 column. I.

Water Required in Working Quartz (Stamping). Min. & Sci. Press, vol. 44, p. 385, 1 column; vol. 45, p. 361, 1½ columns.

The Wentworth Goldfields Proprietary Stamp Mill at Lucknow, New South Wales, Australia. By F. M. Drake. E. & M. J., vol. 58, p. 489. 1 column.

Plans of Quartz Mills: Wet and Dry Crushing. Min. & Sci. Press, vol. 25, p. 377. 2 columns. I.

The Imperfect Pulverization of Rocks by Means of Stamping, and Suggestions for Its Improvement. By E. D. Chester. T. I. M. E., vol. 22, p. 453. 8 pages. I.

The Slow-Drop Stamp-Mill. E. & M. J., vol. 76, p. 232. ½ column.

High Speed Stamps. E. & M. J., vol. 75, p. 622. 1½ columns.

Capacity of Stamps. E. & M. J., vol. 55, pp. 222, 389, 534.

Some Comparisons in Stamp Milling Practice. By M. B. Weekes. T. F. C. M. I., vol. 3, p. 153. 12 pages.

An Improved Method of Introducing Feed Water to the Stamp Mill Mortar. By B. MacDonald. J. C. M. I., vol. 2, p. 102. 3 pages.

The Philosophy of Stamp-Milling. By T. A. Rickard. E. & M. J., vol. 59, p. 243. 3 columns.

Stamp-Mill Indicator-Diagrams. By H. Louis. T. A. I. M. E., vol. 28. p. 355.

The Limitations of the Gold Stamp-Mill. By T. A. Rickard. T. A. I. M. E., vol. 23, pp. 137, 545.

The Relation Between the Speed and Effectiveness of Stamps. By R. W. Raymond. T. A. I. M. E., vol. 1, p. 40.

Stamp Batteries: Crushing and Grinding. By A. James. Min. Jour., Aug. 20, 1904.

Queensland Gov. Min. Jour., June, 1904. Min. Mag., Sept., 1904, p. 225. 1½ columns.

Crushing in Cyanide Solution, as Practiced in the Black Hills, South Dakota. By C. H. Fulton. T. A. I. M. E., vol. 35, p. 587. 27 pages. I.

Feeding Stamps, Economy of. M. & M., July, 1903, p. 543.

Stamp Batteries and Their Operation on the Rand. Gold Mines of the Rand, pp. 188, 202, 203. 10 pages. I. Table.

Stamp Mill Practice in South Africa. By F. C. Roberts. E. & M. J., vol. 78, p. 304. 6⅔ columns. I.

Stamp-Mills in Ecuador. E. & M. J., vol. 78, p. 914. 2 columns. I.

The Reliance Iron Frame Portable Stamp Battery. E. & M. J., vol. 43, p. 115. 1 column. I.

The Modern Steam Stamp. E. & M. J., vol. 45, p. 70. 1⅓ columns. I.

Fine Crushing by Mills: Ball, Tube and Miscellaneous Types

Fine Grinding in 1906. E. & M. J., vol. 83, p. 17. 2½ columns.

Note on an Improved Native Gold-Mill. By E. Halse. T. I. M. & M., vol. 9, p. 174. 3 pages.

Pulverizer for Auriferous Gravel. Min. & Sci. Press, vol. 62, p. 249. ⅓ column. I.

The Pulverizing Barrel. Min. & Sci. Press, vol. 26, p. 145. 1 column. I.

Paul's Pulverizing Barrel. Min. & Sci. Press, vol. 26, p. 163. 1¼ columns. I.

Williams' Hinged-Hammer Coal Crusher. M. & M., Mar., 1905, p. 390. 1 column. I.

The Sutherland Pulverizer. E. & M. J., vol. 63, p. 484. 1¼ columns. I.

Problems in the Treatment of Butte Ores: Chilean Mill, and Wilfley Table. By A. H. Wethey. E. & M. J., vol. 68, p. 8. 4 columns. I.

The Albert Raymond Roller Mill. E. & M. J., vol. 68, p. 365. 1 column. I.

The Hodge Grinder Used to Reduce Rich Sands from Jigs. T. A. I. M. E., vol. 8, p. 431.

An Edgestone Crusher for Analytical Samples. By R. H. Richards. T. A. I. M. E., vol. 6, p. 518.

The Cummings Ore-Granulating Mill. By C. M. Ball. T. A. I. M. E., vol. 21, p. 516.

Korean Gold-Mill Apparatus. T. A. I. M. E., vol. 18, p. 364.

Jeffrey Hammer Pulverizer. M. & M., Jan., 1905, p. 312. ½ column.

Power-Driven Muller. M. & M., Dec., 1904, p. 243.

The Merrall's Hydraulic Quartz Mill. E. & M. J., vol. 60, p. 517. ¾ column. I.

The Dodge Pulverizing Mill. E. & M. J., vol. 61, p. 613. ¾ column. I.

The Gardner Grinder. E. & M. J., vol. 59, p. 129. ½ column. I.

Coward's Niagara Pulverizer. E. & M. J., vol. 56, p. 211. 2 columns. I.

Notes on Regrinding Machines. By M. Schwerin. E. & M. J., vol. 77, p. 403, 5½ columns; p. 512, 1⅓ columns; p. 635, ⅔ column.

The American Ball Pulverizer. Coll. Engr. & Met. Miner, vol. 14, p. 3. 1 column. I.

The Crawford Mill. Coll. Engr. & Met. Miner, vol. 14, p. 17. 1½ columns. I.

The Frisbee-Lucop Mill. E. & M. J., vol. 40, p. 58. 2 columns. I.

Chilian Mills. By M. P. Boss. E. & M. J., vol. 78, p. 953. 1⅓ columns. I.

The Waring Pulverizer. E. & M. J., vol. 40, p. 336. ½ column. I.

The Sturtevant Mill. E. & M. J., vol. 38, p. 244. 1 column. I.

New Rotary Quartz Mill. E. & M. J., vol. 9, p. 17. 3 columns. I.

Howland's Patent Rotary Pulverizing and Amalgamating Quartz Mill. E. & M. J., vol. 9, p. 305. 2 columns. I.

Quartz Mills. Am. Jour. Min., vol. 7, p. 210. ⅔ column.

A New Copper-Rock Pulverizer. Am. Jour. Min., vol. 3, p. 41. ½ column.

The Thompson Pulverizer. E. & M. J., vol. 33, p. 5. ½ column. I.

The Howland Pulverizer. E. & M. J., vol. 31, p. 161. ⅔ column. I.

The Reyerson Pulverizer. E. & M. J., vol. 30, p. 397. 2 columns. I.

The Alden Ore Crusher and Pulverizer. E. & M. J., vol. 24, p. 419. ⅓ column. I.

The Morey Pulverizer for Dry Ores. E. & M. J., vol. 35, p. 191, note, I.; p. 209, ½ column, I.

The Lucop and Cook Centrifugal Pulverizer. E. & M. J., vol. 34, p. 147. 1 column. I.

The Howland Ore-Grinder, etc. E. & M. J., vol. 34, p. 211. 2 columns. I.

The Pneumatic Pulverizer. E. & M. J., vol. 34, p. 270. 1 column. I.

David's Disintegrating Mill. Min. & Sci. Press, vol. 29, p. 385. 1 column. I.

Kendall's Improved Quartz Mill: Oscillating Stamp. Min. & Sci. Press, vol. 31, p. 161. ½ column. I.

Alden's Ore Pulverizer. Min. & Sci. Press, vol. 31, p. 369. ½ column. I.

Ross Horizontal Mill. Min. & Sci. Press, vol. 27, p. 169. 1 column. I.

The Howland "Rotary Battery." Min. & Sci. Press, vol. 18, p. 145, 2 columns, I.; vol. 21, p. 81, 2½ columns, I.

Improved Sectional Mills. Min. & Sci. Press, vol. 21, p. 121. 3 columns. I.

The Eureka Grinder and Amalgamator. Min. & Sci. Press, vol. 25, p. 2. ½ column.

The Lightning Mill. Min. & Sci. Press, vol. 25, p. 65. 1 column. I.

Working Gold and Silver Ores. Min. & Sci. Press, vol. 52, p. 237. 2½ columns. I.

The Chilian Mill: Scheme of Reduction. Min. & Sci. Press, vol. 52, p. 257. 4 columns. I.

Mill for Crushing Bullion for Refining. Min. & Sci. Press, vol. 52, p. 405. 1 column. I.

The Frisbee-Lucop Wet Mill. By J. L. Wills. E. & M. J., vol. 58, p. 320. 1 column. I.

The Steadman Disintegrator. E. & M. J., vol. 58, p. 129. ½ column. I.

Harrison's Grinding Mill. Min. & Sci. Press, vol. 31, p. 409. 2 columns. I.

The California Giant Quartz Mill. Min. & Sci. Press, vol. 32, p. 281. 1 column. I.

Motte's Mortar Mill. Min. & Sci. Press, vol. 36, p. 369. ½ column. I.

The Buckner Pulverizing Cylinder. Min. & Sci. Press, vol. 37, p. 1. 2 columns.

The Davis Pulverizer. Min. & Sci. Press, vol. 38, p. 137. ¾ column. I.

The White Rotary Pulverizep. Min. & Sci. Press, vol. 40, p. 176. 3 columns. I.

A Continuous Discharge Crushing and Grinding Pan. Min. & Sci. Press, vol. 40, p. 353. ½ column. I.

Tustin's Ore Pulverizer (Rotary). Min. & Sci. Press, vol. 43, p. 293. 2 columns. I.

A New Ore Mill. Min. & Sci. Press, vol. 44, p. 241, 1 column, I.; p. 249, I.

Dodge's Ore Pulverizer. Min. & Sci. Press, vol. 45, p. 385. 1½ columns. I.

Anderson's Wet and Dry Crusher and Pulverizer. Min. & Sci. Press, vol. 65, p. 201. 2 columns. I.

DODGE'S CEMENT GRAVEL MILL. Min. & Sci. Press, vol. 67, p. 375. ½ column. I.

HUNTINGTON'S QUARTZ MILL. Min. & Sci. Press, vol. 69, p. 97. ½ column. I.

THE LIGHTNER MILL. Min. & Sci. Press, vol. 70, p. 149. ½ column.

THE CRAWFORD MILL. Min. & Sci. Press, vol. 70, p. 247. ¾ column. I.

THE KINKEAD MILL. Min. & Sci. Press, vol. 72, p. 61. 3 columns. I.

THE HUNTINGTON MILL. Min. & Sci. Press, vol. 72, p. 64. 1 column. I.

THE FRISBEE MILL. Min. & Sci. Press, vol. 55, p. 257. 1½ columns. I.

THE DODGE PULVERIZER. Min. & Sci. Press, vol. 56, p. 21; vol. 63, p. 81. ½ column. I.

CRUSHING LUMPS OF ROASTED ORE. Min. & Sci. Press, vol. 58, p 247. 2 columns. I.

THE CHILE MILL. Min. & Sci. Press, vol. 58, p. 303. 1 column. I.

THE JENISCH AND LOEHNERT BALL MILL. Min. and Sci. Press, vol. 58, pp. 473, 485. 4 columns. I.

GATES COMBINATION CRUSHER AND PULVERIZER. Min. & Sci. Press, vol. 64, p. 315. 1 column. I.

THE TUSTIN ORE MILL. Min. & Sci. Press, vol. 51, p. 304, 1½ columns; vol. 53, p. 49, I.

THE WARING PULVERIZER. Min. & Sci. Press, vol. 52, p. 289. 3 columns. I.

THE FRISBEE-LUCOP QUARTZ MILL. Min. & Sci. Press, vol. 52, pp. 337, 341. 4 columns. I.

THE NATIONAL ROCKER MILL. Min. & Sci. Press, vol. 53, p. 309. 1 column. I.

THE BRYAN ROLLER MILL. Min. & Sci. Press, vol. 54, p. 377. 1½ columns. I.

THE HARDINGE CONICAL MILL. By H. W. Hardinge. E. & M. J., vol. 84, p. 925. 4 columns. I.

ORE-DRESSING IN EUROPE: Fine Comminution. Sch. Mines Quart., vol. 4, p. 301. 12 pages.

HUNTINGTON MILLS. E. & M. J., vol. 79, p. 1099. 1 column.

HUNTINGTON'S CENTRIFUGAL ROLLER MILL. Min. & Sci. Press, vol. 46, p. 353. 2 columns. I.

THE DYER CANNON BALL QUARTZ MILL. Min. & Sci. Press, vol. 47, p. 33. 1½ columns. I.

THE TRIUMPH ORE MILL. Min. & Sci. Press, vol. 48, p. 428. 1½ columns. I.

GOODSON'S IMPROVED ORE PULVERIZER. Min. & Sci. Press, vol. 49, p. 369. 3 columns. I.

THE HUNTINGTON MILL: Advantages. Min. & Sci. Press, vol. 93, p. 298. ¾ column.

HUNTINGTON MILL NOTES. By C. E. Parsons. T. I. M. & M., vol. 15, p. 587. 39 pages. I.

THE BRYAN ROLLER MILL. Min. & Sci. Press, vol. 72, p. 65. ½ column.

THE GRIFFIN MILL. Min. & Sci. Press, vol. 72, p. 65. ½ column.

THE DODGE IMPROVED MILL. Min. & Sci. Press, vol. 73, p. 71. 2 columns. I.

THE BRYAN MILL AS A CRUSHER AND AMALGAMATOR COMPARED WITH THE STAMP-BATTERY. By E. A. H. Tays. T. A. I. M. E., vol. 29, pp. 776, 1054.

FINE GRINDING IN WHEELER PANS. P. C. M. & M. Soc. S. A., vol. 5, p. 280. 2 columns. I.

FRIEDRICH KRUPP GRUSONWERK'S BALL MILLS: Tests. E. & M. J., vol. 72, p. 759. 2 columns.

THE FERRARIS BALL-MILL. By W. R. Ingalls. E. & M. J., vol. 76, p. 811. 3¾ columns. I.

THE AMERICAN BALL PULVERIZER. E. & M. J., vol. 54, p. 297. ½ column. I.

Fine Grinding by Ball Mills in Australia. M. & M., vol. 27, p. 334. ¾ column.

The Gates Ball Mill. E. & M. J., vol. 83, p. 475. 2 columns. I.

Tube Ball Mills: Their Working and Mechanical Effects. P. C. M. & M. Soc. S. A., vol. 5, p. 32. 2 columns+.

Tube-Mill and Filter-Press. E. & M. J., vol. 78, p. 579. 2 columns.

The Operation of a Tube-Mill. By H. Fischer. E. & M. J., vol. 78, p. 791. 6½ columns. I.

Regrinding of Gold Ores: Slow-Speed Rotary Mills vs. Tube Mills. By J. A. Wauchope. Min. Mag., vol. 12, p. 279. 8 columns. I.

The First Tube-Mill in Metallurgy. By R. F. Abbe. E. & M. J., vol. 81, p. 1010. 1½ columns. I.

Tube-Mills. Min. Mag., vol. 79, p. 1093. 1¼ columns.

Tube-Mill Results. Min. Mag., vol. 79, p. 1104. 1½ columns.

Tube-Mill Notes. By A. James. E. & M. J., Mar. 16, 1905, p. 511, 3½ columns, I.
T. I. M. & M., Jan. 19, 1905.

Tube-Mills. E. & M. J., vol. 79, p. 716. 1½ columns.

Tube Mill at Prince (Gold) Mill, Animas Forks, Colorado. M. & M., vol. 27, p. 344. 2 columns.

The Economics of Tube Mills: The Capital Expenditure and Tonnage Aspects. M. & M., vol. 27, p. 297. 1½ columns. Tables.

Tube Milling of Gold Ores. By G. P. Scholl. Min. Mag., vol. 11, p. 405. 18 columns. I.

Tube Mills in New Zealand. E. & M. J., vol. 78, p. 434. ⅔ column.

Notes on the Tube-Mills at El Oro, Mexico. By Chas. Butters. Min. & Sci. Press, vol. 92, p. 344. 2 columns.

Tube Mills vs. Pans. Min. & Sci. Press, vol. 92, p. 26. ½ column.

Tube-Mill Lining. Min. & Sci. Press, vol. 93, p. 534, 1 column, I.; p. 594, 2¼ columns, I.

Tube-Milling in Korea. Min. & Sci. Press, vol. 93, p. 346. 2 columns. I.

Pans vs. Tubes. Min. & Sci. Press, vol. 93, p. 136. 1 column.

Tube-Mill Lining. Min. & Sci. Press, vol. 93, p. 108. 2 columns. I.

The First Tube Mill. E. & M. J., vol. 82, p. 25. ¼ column.

Pans vs. Tube-Mills. Min. & Sci. Press, vol. 94, p. 430. 1 column.

Tube-Mill Lining. Min. & Sci. Press, vol. 94, p. 17. 1½ columns. I.

Fine Grinding of Ore by Tube-Mills, and Cyaniding at El Oro, Mexico. By G. Caetani and E. Burt. T. A. I. M. E., vol. 37, p. 3. 51 pages. I.

Grinding in Tube Mills. By E. G. Banks. M. & M., vol. 27, p. 492. 2 columns.

Successful Tube-Mill Lining. M. & M., vol. 27, p. 520. 1¼ columns. I.

The Theory of the Tube Mill. By H. A. White. P. C. M. & M. Soc. S. A., vol. 5, p. 290. 30 columns. I.

Tube-Mill Practice. By W. R. Dowling. P. C. M. & M. Soc. S. A., vol. 6, p. 308, 13½ columns; p. 369, 12 columns, I.

The Economics of Tube Milling. By H. W. Fox. M. & M., vol. 28, p. 537. 6½ columns. D.

Crushing Ore by the Old Mexican Process: Boulder on Balanced Pole. Min. & Sci. Press, vol. 28, p. 409. I.

The Arrastra: An Ancient and Effective Device for Treating Ores, which can be Cheaply Constructed in Inaccessible Regions. By A. Lakes. M. & M., vol. 20, p. 63. 2¼ columns. I.

The Arrastra and the Stamp Mill. E. & M. J., vol. 67, p. 466. ⅓ column.

The Arrastra and Its Use. E. & M. J., vol. 68, p. 760. 2 columns.

An Arrastra Driven by Water-Power. T. A. I. M. E., vol. 11, p. 76, plate 11.

The Arrastra in the Metallurgy of Gold. E. & M. J., vol. 54, p. 626. 1 column.

The Arrastra. Min. & Sci. Press, vol. 63, p. 120, ½ column, I.; vol. 67, p. 277, 1 column.

The Arrastra, "the Poor Man's Mill." Min. & Sci. Press, vol. 70, p. 209. 4 columns. I.

The Arrastra. Min. & Sci. Press, vol. 72, p. 64. 1 column.

Arrastras. Min. and Sci. Press, vol. 74, p. 341. 2½ columns. I.

Double Arrastra. Min. & Sci. Press, vol. 74, p. 345.

How to Build and Operate an Arrastra. Min. & Sci. Press, vol. 78, p. 32. 6 columns. I.

The Poor Man's Mill, the Arrastra. Min. & Sci. Press, vol. 41, p. 360. ¾ column.

Treatment of Gold in the Arrastra. By T. Egleston. Sch. Mines Quart., vol. 8, p. 126. 10 pages.

ROPES FOR MINING PURPOSES

Kinds of Wire Rope, Methods of Manufacture, etc.

History of Wire Rope: Brief Account of the Early Use of Rope and Description of Some of the Modern Varieties. M. & M., Apr., 1904, p. 442. 4 columns. I.

Ropes: Winding. The Witwatersrand Gold-Fields, p. 260. 1 page.

Wire Ropes: A Reference to Some Important Facts Shown by Experiments Described in a Paper by Mr. Andrew S. Biggart. By J. T. Beard. M. & M., vol. 21, p. 371. 8 columns. I.

On Wire Ropes. By W. D. L. Hardie. J. C. M. I., vol. 5, p. 33. 11 pages.

The Manufacture and Use of Wire Rope. By F. H. Hopkins. T. F. C. M. I., vol. 1, p. 187. 4 pages.

Hoisting-Ropes. By R. Peele. M. & M., vol. 20, p. 351. 5 columns.

Aerial Wire Ropeways and Wire Rope. Machinery for Metalliferous Mines, pp. 534–555.

Chain and Rope for Hoisting Purposes. E. & M. J., vol. 24, p. 27. 1 column.

Wire Rope: Its Uses, Abuses, and Care. Origin of Wire Rope, its Construction and Need of Proper Care to Preserve it. By J. S. Doe. M. & M., vol. 20, p. 525, 2½ columns.

Wire Rope, Its Invention, Properties and Future. Glückauf, 1903, p. 313.

Notes on the Life of Steel Wire Cables. By Frank Soulé. T. A. I. M. E., vol. 29, p. 550.

Hoisting Ropes: Quality of Materials, Methods of Manufacture, Style of Lay, and Their Influence on Wearing Qualities. By Geo. S. Whyte. M. & M., Apr., 1904, p. 426. 2¾ columns.

Making a Street Cable. Sci. Am. Supp., Oct. 30, 1886 (No. 565).

Notes on the Manufacture of Wire Rope. Eng. News, 1895, vol. 2, p. 203.

Manufacture of Wire Ropes. Sci. Am. Supp., July 2, 1887 (No. 600).

Manufacture and Uses of Wire Rope. By F. H. Hopkins. J. C. Min. Rev., Jan., 1896.

Safety of Wire Ropes. M. & M., Apr., 1904, p. 443. Note.

Round-Strand Rope Record. M. & M., Sept., 1901, p. 77. ¾ column.

Different Kinds of Rope (German). Glückauf, 1897, p. 604.

Mine Ropes. Sch. Mines Quart., vol. 13, p. 28. 8 pages.

Railroad Cables. E. & M. J., vol. 50, p. 129. ⅓ column. I.

Facts About Wire Rope. Min. & Sci. Press, vol. 49, p. 102. 3½ columns.

Wire Rope: Hints. Min. & Sci. Press, vol. 62, p. 182. ½ column.

The Effect of Wear on Iron Wire Rope. E. & M. J., vol. 33, p. 232. 2 columns.

Record of the Failure of a Locked-Coil Winding Rope. By W. Lockett. T. I. M. E., vol. 27, p. 254. 10½ pages. I.

Construction of Flat Rope. M. & M., Feb., 1905, p. 366. Note.

Flat Ropes: Their Use in the United States. M. & M., Dec., 1904, p. 253.

Manufacture of Taper Rope. T. I. M. & M., vol. 11, p. 408.

Use of Taper Ropes in Hoisting. T. I. M. & M., vol. 11, pp. 151, 172, 203, 268, 407.

Tapering Wire Ropes in Deep Mining: Rule for Finding Section at Any Point; Weight of Rope; Working Load. E. & M. J., vol. 19, p. 36. 1 column.

Use of Taper Ropes in Bohemia. E. & M. J., vol. 20, p. 384. 1½ columns.

Taper Rope at Comstock and Pribram. Min. & Sci. Press, vol. 86, p. 259. Note.

Locked Coil Wire Ropes. By Wm. Foggin. T. F. I. M. E., vol. 2, p. 261. 7 pages.

Locked Coil and Stranded Wire Ropes. Sci. Am. Supp., June 11, 1887 (No. 597).

Locked Construction of Wire Rope, Patented by Felton and Guilleaume (German). Glückauf, 1893, p. 821.

Patent Locked Rope. Eng. News, 1898, vol. 1, p. 245.

Wire Rope: Historical. E. & M. J., vol. 77, p. 886. ¼ column.

Wire: Its Manufacture and Use

Wire-Rope Bibliography: References to Journal Articles and Books Pertaining to Wire Ropes and Their Applications. M. & M., May, 1904, p. 511.

Wire-Rope Bibliography: References to Journal Articles and Books Pertaining to Wire Ropes and Their Applications. M. & M., Apr., 1904, p. 459.

Wire Mining Rope: Their Technology, Manufacture and Uses. By J. B. Smith. Min. Jour., June, 1896.

Glossary of Rope Terms, with Special Reference to the Meaning of Words Used in Connection with the Manufacture and Use of Wire Rope. M. & M., Apr., 1904, p. 415. 3½ columns. I.

Wire and Wire-Making. By S. Barnett. E. & M. J., vol. 65, p. 372, 2½ columns; p. 402, 2¾ columns.

Wire: Its Manufacture and Uses. By J. B. Smith. Pub. by Engineering, London.

Dies Made of Sapphire or Diamond are Used for Drawing Fine Wire. E. & M. J., vol. 79, p. 908. Note.

On the Action of Common Salt and Other Related Crystalline Salts in Wire Drawing. By C. O. Thompson. T. A. I. M. E., vol. 9, p. 299.

On the Use of Salt Coating in the Manufacture of Iron and Steel Wire. By C. A. Morgan. T. A. I. M. E., vol. 9, p. 672.

Nickel-Steel Winding Rope Wire. E. & M. J., vol. 80, p. 490. 1 column.

Galvanized Hoisting Ropes. E. & M. J., vol. 80, p. 1201. 1 column.

"Patenting" Wire: A Process of Tempering Wire for Hoisting Ropes. T. I. M. & M., vol. 11, p. 249.

WIRE FOR POWER TRANSMISSION LINES. E. & M. J., vol. 69, p. 324. Note.

REPORT ON A STANDARD WIRE-GAUGE. T. A. I. M. E., vol. 6, p. 500.

A DECIMAL GAUGE FOR WIRE AND SHEET-IRON. By R. W. Raymond. T. A. I. M. E., vol. 27, p. 272.

Paper and Fiber Ropes

MATERIALS USED, MANUFACTURE, TREATMENT, STRENGTH AND DURABILITY UNDER DIFFERENT CONDITIONS. By C. W. Comstock. M. & M., June, 1904, pp. 530, 532, 553.

PAPER ROPES. M. & M., vol. 20, p. 394. ½ column.

PAPER DRIVING ROPES. E. & M. J., vol. 68, p. 636. Note.

THE USE OF ROPES: Fiber. Min. & Sci. Press, vol. 58, p. 301. ½ column.

ABOUT ROPES: Leather. Min. & Sci. Press, vol. 58, p. 399. ⅓ column.

LEATHER ROPES. Min. & Sci. Press, vol. 59, p. 434. ½ column.

HEMP ROPES. Coll. Engr., vol. 8, p. 78. ½ column.

KNOTTY PROBLEMS: Tying Knots in Ropes. Min. & Sci. Press, vol. 89, p. 107. 6 columns. I.

Connections for Wire Rope, Splicings, etc.

WIRE ROPE CONNECTIONS. Sci. Am. Supp., Sept. 25, 1880 (No. 246).

CAGE DETACHMENT FOR MINE CABLES. Min. & Sci. Press, vol. 36, p. 161. 1½ columns. I.

LOCKING HOOK FOR SINKING PURPOSES. By F. Coulson. T. I. M. E., vol. 34, p. 56, 2½ pages, I.; vol. 35, p. 71, 2 pages, I.

A METHOD OF SOCKETING A WINDING-ROPE, AND ITS ATTACHMENT TO A CAGE WITHOUT THE USE OF ORDINARY CHAINS. By W. C. Blackett. T. I. M. E., vol. 23, p. 10. 9 pages. I.

STAR-KNOT ON HAULAGE-ROPE AERIAL ROPEWAYS. T. A. I. M. E., vol. 19, pp. 770, 771, 772.

DIFFERENT METHODS OF CAPPING WIRE ROPES. By H. Perkin. M. & M., Dec., 1902, p. 229. 2 columns.

WIRE ROPE FASTENINGS. By Wm. Hewitt. T. A. S. M. E., 1888.

WIRE ROPE COUPLINGS. Eng. News, 1896, vol. 1, p. 165.

ROPE HOLDER FOR WIRE ROPE: English Device. Eng. News, 1891, vol. 2, p. 268.

STROBACH'S WIRE ROPE HOLDER. Coll. Engr., vol. 12, p. 75. ½ column. I.

WIRE ROPE FASTENINGS. By W. Hewitt. Coll. Engr., vol. 8, p. 273. 2½ columns. I.

WIRE ROPE CAPPINGS. Mech. Eng. Coll., Futers, p. 281, Figs. 588, 590, 593; pp. 285, 286, 287, 288, 289, ¼ page, I.

ROPE CAPPINGS OR SOCKETS. P. C. M., vol. 3, p. 116. 3 pages. I.

NOTES ON CAPELS FOR WINDING ROPES. By T. W. H. Mitchell. T. I. M. E., vol. 29, p. 173. 14 pages.

CAPELS FOR WINDING-ROPES. By T. W. H. Mitchell. T. I. M. E., vol. 30, p. 239. 10 pages. I.

WIRE ROPE CAPELS. T. I. M. E., vol. 30, p. 572. 2 pages.

ROPE-CAPPING AND ATTACHMENT TO THE DRUM. T. I. M. E., vol. 35, p. 144. 4 pages.

CAPELS. T. I. M. E., vol. 34, p. 140. 8 pages.

HOME MADE ROPE SOCKETS. M. & M., vol. 28, p. 119. ½ column. I.

THE HOLDING POWER OF GLANDS (Clamps, etc.) ON WIRE CONDUCTORS. By A. R. Sawyer. T. N. S. I. M. & M. E., vol. 9, p. 270, 8 pages, I.; p. 313, 8 pages.

STRENGTH OF A BRAZED CABLE SPLICE. By G. L. Christensen. Min. & Sci. Press, vol. 93, p. 606. 1 column. I.

The Strength of Brazed Joints in Steel Wires. By H. Louis. T. I. M. E., vol. 31, p. 443. 8½ pages. D.

Tests on Wire-Rope Attachments. T.I.M.E.,vol. 31, p. 152. 2½ pages. I.

Splicing Wire Rope. M. & M., June, 1902, p. 525.

Length of Wire-Rope Splice. M. & M., Apr., 1904, p. 431. Note.

Splicing Wire Ropes: Method Recommended by the John A. Roebling's Son's Co., of Trenton, N. J., and Published by their Permission. M. & M., Apr., 1904, p. 417. 2 columns. I.

Splicing Wire Rope by Tying. M. & M., July, 1904, p. 613.

A Rapid Method of Splicing Wire Rope. By W. H. Morris. M. & M., vol. 19, p. 84. 1¾ columns. I.

To Splice a Wire Rope. Min. & Sci. Press, vol. 81, p. 376, 1¾ columns, I.; p. 468, 1 column, I.; vol. 82, p. 168, 1⅔ columns, I.

Splicing Transmission Rope. Min. & Sci. Press, vol. 91, p. 74. 2½ columns. I.

Knots, Hitches and Bends (Efficiency). Min. & Sci. Press, vol. 91, p. 96. 2 columns. I.

Knots and Splices in Manila Rope. Min. & Sci. Press, vol. 73, p. 29. 2 columns. I.

Splicing Wire Ropes. Min. & Sci. Press, vol. 64, p. 221. 1 column. I.

Kinks in Ropes: Splicing, etc. By W. H. Kritzer. Min. & Sci. Press, vol. 87, p. 419. 4½ columns. I.

Splicing Wire Rope. Aerial or Wire-Rail Tramways, p. 181. 3 pages. I.

Capping Wire Rope. Aerial or Wire-Rail Tramways, p. 185. 5½ pages. I.

Preserving Wire-Rope. Aerial or Wire-Rail Tramways, p. 189. 3½ pages.

To Remove a Kink from a Wire Rope. Aerial or Wire-Rail Tramways, p. 193. ½ page.

Strength of Ropes, Working Stresses, Examination and Tests

The Examination of Hoisting Ropes. M. & M., vol. 19, p. 573. 1¼ columns.

Notes on Mine Ropes: Various Materials of which Ropes are Made; Endurance under Tests and Use; Forms of Strand and Methods of Construction. By C. W. Comstock. M. & M., Apr., 1904, p. 444. 13½ columns. I.

Tests to Determine Stress in Ropes Due to Hoisting. T. I. M. & M., vol. 11, p. 156. Table.

Tests of Flattened Strand Cable. M. & M., July, 1901, p. 537.

The Testing of Winding-Ropes in the Province of Anhalt, Germany. By F. H. Probert. T. A. I. M. E., vol. 30, p. 1020.

A New Method of Testing Wires: A Description of the Machines Used, the Tests Recommended and the Methods of Making Them. By A. Falkenan. M. & M., Apr., 1904, p. 406. 2 columns. I.

High-Grade Wire Rope: Methods of Testing for Strength and Ductility; Influence of Number of Wires and Strands upon Efficiency of Ropes. By L. C. Moore. M. & M., Apr., 1904, p. 405. 1¾ columns.

Rope Tests: Tabulated Data. Tech. Quart., June-Sept., 1896.

Rope Testing. By Geo. A. McCarthy and E. G. Matherson. Can. Eng., Feb., 1899.

New Method of Testing Wire Rope. By Arthur Falkenan. Proc. Eng. Club, Phil., Jan., 1903.

Impact Tests on Wire Rope: Tests and Comparisons with Tensile Strengths. By C. F. Hamilton. Trans. Assoc. C. E. of Cornell Univ., 1898.

Experiments when Selecting Best (Wire) Rope for Forth Bridge: Tests of Steel and Pulley Tests of Rope. By A. S. Biggart. Eng. News, 1891, vol. 1, p. 50.

CONVENIENT FORM OF WIRE TESTING MACHINE. By A. L. Rice. T. A. S. M. E., 1898.

SAFE RULE FOR DETERMINING LOAD ON CHAIN. E. & M J., vol. 81, p. 1243. Note.

LOSS OF TENSILE STRENGTH OF IRON RODS DUE TO WELDING AND BENDING. E. & M. J., vol. 81, p. 1243. Note.

TESTING OF WINDING-ROPES. T. I. M. E., vol. 31, p. 703. 1 page.

A BROKEN WINDING-ROPE AT THE ROBINSON DEEP MINE, TRANSVAAL. T. I. M. E., vol. 31, p. 704. 1½ pages.

STRENGTH OF FLAT-ROPE. M. & M., Mar., 1905, p. 379. ⅓ column.

HOISTING ROPE TESTING. E. & M. J., vol. 80, p. 386. 2½ columns.

DUTY OF HOISTING ROPE. T. I. M. & M., vol. 11, pp. 264, 290.

EFFECTS OF BENDING STRESSES ON WIRE ROPE: How Excessive Bending May Entirely Destroy the Safe Working Strength of a Rope. By J. B. Richards. M. & M., Apr., 1904, p. 441. 2 columns.

STRESS IN HOISTING ROPES ON INCLINED PLANES OF VARIOUS DEGREES. T. A. I. M. E., vol. 16, p. 238.

RULES FOR WORKING LOADS OF WIRE ELEVATOR ROPES. By H. C. Newcomer. Eng. News, Jan., 1903.

STRESSES IN WIRE ROPES: Opinions of Different Manufacturers in Regard to the Effects upon the Rope, of Length of Contact on Sheave. M. & M., Feb., 1902, p. 316. 4 columns.

PRACTICAL POINTS IN THE CONSTRUCTION AND USE OF WIRE ROPE: Materials, Tensile Strength, Load, Sheaves, Causes of Wear. By L. C. Moore. M. & M., Apr., 1904, p. 407. 5 columns.

BENDING OF WIRE ROPES. By Wm. Hewitt. Modern Machinery, Aug., 1899.

M. & M., Mar., 1899.

WEAKEST POINT OF A HOISTING ROPE. P. C. M. & M. Soc. S. A., vol. 5, p. 140. ¾ column.

ADDITIONAL STRESS IN ROPES DUE TO DIFFERENTIAL ACTION IN HOISTING. T. I. M. & M., vol. 11, p. 156. Table.

FORMULAE FOR CALCULATING BENDING STRESS IN ROPE. T. I. M. & M., vol. 11, p. 254.

BENDING OF WIRE ROPES: The Effect which the Size of Sheaves and the Angle of Curvature Have upon the Life of the Rope. By W. Hewitt. M. & M., vol. 19, p. 361. 1½ columns.

STRESSES IN HOISTING ROPES DUE TO JERKS. By G. A. Goodenough. M. & M., vol. 20, p. 22. 1½ columns.

WINDING ROPE WITH TOO HIGH AN INITIAL FACTOR OF SAFETY. E. & M. J., vol. 79, p. 803. 1¼ columns.

WIRE ROPE: Table Showing Effect of Size of Sheaves on Life of Rope. Coll. Engr., vol. 13, p. 206. Table.

THE STRENGTH OF ROPES: Tensile Strength per Square Inch. Min. & Sci. Press, vol. 57, p. 263. ¼ column.

STRAIN ON A CABLE WORKING ON AN INCLINE. Min. & Sci. Press, vol. 90, p. 281. ¼ column.

STRESSES IN HOISTING ROPES. By J. F. Howe. M. & M., vol. 27, p. 497. 1½ columns.

BENDING STRESSES IN WIRE ROPES. By S. Diescher. P. E. Soc. W. Pa., vol. 21, p. 26. 13½ pages. I.

FORMULA FOR BENDING STRESS IN WIRE ROPE. T. I. M. & M., vol. 11, p. 254. 1 page.

SPECIFICATIONS FOR WIRE ROPES: Quality, Size, Form and Tests. Mech. World, July, 18, 1902.

FORMULÆ FOR CALCULATING THE SIZE OF WIRE ROPES. By S. Smillie. Sch. Mines Quart., vol. 25, p. 194. 4 pages.

MEASUREMENT OF WIRE ROPE: Circumference and Diameter. E. & M. J., vol. 53, p. 426. ½ column. I.

FORMULAS FOR CALCULATING THE SIZE OF WIRE ROPES. M. & M., Mar., 1905, p. 385.

CALCULATING THE FRICTION OF HAULAGE ROPES. Coll. Engr. & Met. Miner, Oct., 1896.

Corrections to be Made in Determining the Sizes of Hoisting Ropes. M. & M., July, 1898.

Hoisting: Size of Sheave and Maximum Load. M. & M., June, 1903, p. 525.

Wire Rope: Mathematical Investigation. By Wm. Hewitt. Eng. News, 1896, vol. 1, pp. 300, 369.

Modulus of Elasticity of Wire Ropes. M. & M., Apr., 1901, p. 406.

Round Ropes vs. Flat Ropes. By G. W. Westgarth. Engineering, London, Sept. 18, 1896.

Wire-Rope Calculations: A Comparison of the Methods of Determining the Proper Working Load for Wire Rope. M. & M., Apr., 1904, p. 456. 6 columns.

Method of Calculating Diameter of Winding Rope. Mech. Eng. Coll., Futer's, p. 130.

Bending Stress in Wire Rope Passing over a Sheave. M. & M., vol. 21, p. 267. ½ column.

Hoisting Rope: Factors of Safety, Variations in Strength. Min. & Sci. Press, vol. 48, p. 237. ½ column.

The Factor-of-Safety in Colliery Winding-Ropes. T. I. M. E., vol. 35, p. 137. 1 page.

Factors of Safety in Ropes. E. & M. J., vol. 74, p. 713; vol. 75, p. 516.

Factor of Safety, with Reference to Wire Ropes. M. & M., May, 1904, p. 511.

Factor of Safety for Winding Ropes. By H. C. Behr. Min. & Sci. Press, vol. 86, p. 280. 2 columns.

Safe Working Load for a Steel Wire Rope. M. & M., July, 1902, p. 570.

The Durability of Wire Ropes. Coll. Engr., vol. 13, p. 146. 3¾ columns. I.

Care and Protection of Wire Rope

The Use and Abuse of Wire Rope. By L. C. Moore. P. E. Soc. W. Pa., vol. 21, p. 40. 10 pages.

The Treatment of Flat Hoisting Cables. By A. E. Johnson. Min. & Sci. Press, vol. 82, p. 36. 1 column +.

Oxide Films on Iron Wires: A Protection from Rust. By C. Platt. E. & M. J., vol. 54, p. 78. 1 column.

Wire Rope Lubricator and Automatic Cleaner. M. & M., vol. 19, p. 231. ½ column. I.

A Wire-Rope Preservative. Coll. Engr., vol. 9, p. 267. ¼ column.

Wire Rope Grease. Sci. Am. Supp., May 7, 1898 (No. 1166).

The Preservation of Mining Steel Wire Ropes. Min. & Sci. Press, vol. 44, p. 230. ⅞ column.

Care of Rope in the Butte Copper Mines. M. & M., vol. 21, p. 156. ½ column. I.

Care of Hoisting Ropes. M. & M., Apr., 1904, p. 462. Note.

The Care of Hoisting Ropes. Min. & Sci. Press, vol. 89, p. 338. ½ column.

Deterioration of Hoisting Rope. M. & M., Apr., 1904, p. 433. Note.

Internal Corrosion of Wire Ropes. By F. G. Lees. T. F. I. M. E., vol. 14, p. 400, 10 pages, I.; p. 443, 2 pages.

Internal Corrosion of Wire Ropes. By F. G. Lees. Coll. Guard., Oct. 29, 1897.

Corrosion in Wire Ropes. By W. S. Thomas. Min. Mag., Feb., 1905, p. 166.

Deterioration of Hoisting Rope. E. & M. J., vol. 78, p. 8. ⅔ column.

Internal Corrosion of Wire Ropes. Min. & Sci. Press, vol. 82, p. 125. ⅔ column.

Wear of Wire Rope. Sci. Am. Supp., Feb. 5, 1876 (No. 6).
Steam Eng., Nov., 1900.

Wear of Wire Rope. Min. & Sci. Press, vol. 32, p. 8. ½ column.

Breakage of Wire Rope

Statistics Showing Percentage of Winding Ropes that Broke Suddenly in Dortmund Coal Field, Germany. M. & M., vol. 21, p. 381. Table.

Breaking of the Rope at the Hansa Mine Near Hulkarde on June 30, 1896 (German). Glückauf, 1896, p. 693.

Breakage of Rope and Stability of Head-Frames. T. I. M. & M., vol. 11, p. 139.

Breakages of Hoisting Ropes. E. & M. J., vol. 66, p. 457. Note.

Accidents to Winding Ropes. E. & M. J., vol. 64, p. 427. Note.

Breakage of Hoisting Ropes. Min. & Sci. Press, vol. 47, p. 302. 1 column.

SAMPLING OF MINES

Mine Sampling

Continuous System of Mine Sampling. By M. H. Burnham. T. I. M. & M., vol. 10, p. 204. 14 pages. I.

Coöperative Sampling and Assaying of Small Mines. E. & M. J., vol. 62, p. 242. 1 column.

Mine Sampling. Min. & Sci. Press, vol. 92, p. 102. ⅔ column. I.

Proposed Method of Mine-Sampling. T. A. I. M. E., vol. 36, p. 352. 1 page.

Method of Mine Sampling. Min. & Sci. Press, vol. 86, p. 21. 1¼ columns.

Notes on Mine Sampling. Min. & Sci. Press, vol. 89, p. 55. 1⅓ columns.

Mine Sampling. Min. & Sci. Press, vol. 87, p. 78. 2 columns.

Notes on Mine Sampling. By G. J. Bancroft. Min. & Sci. Press, vol. 78, p. 636. 2 columns.

Methods of Testing and Sampling Placer Deposits. Min. & Sci. Press, vol. 78, p. 637, 2 columns; p. 666, 2⅔ columns.

Mine Sampling. By C. S. Herzig. E. & M. J., Jan. 12, 1905, p. 93. 1 column.

Mine Sampling. E. & M. J., vol. 75, p. 960, 9 columns, I.; vol. 76, p. 4, 1½ columns; p. 45, ½ column; p. 80, 1½ columns; p. 116, 1⅔ columns.

Mine Sampling. E. & M. J., vol. 76, p. 116, ⅓ column; p. 190, 1½ columns; p. 229, 1 column; p. 266, 4 columns, I.; p. 304, 1 column, I.; p. 305, 2 columns; p. 345, 2⅔ columns; p. 421, 3 columns; p. 458, ½ column; p. 497, 2 columns, I.; p. 498, 2½ columns; p. 614, 1⅓ columns; p. 730, note; p. 768, 2 columns; p. 921, 1½ columns; p. 996, 1 column; vol. 77, p. 151, ⅔ column.

Mine Sampling. E. & M. J., Mar. 2, 1905, p. 430.

Mine Sampling. M. & M., Dec., 1904, p. 247.

Stope-Books: Methods of Keeping Precise Records of Stopes, Their Form, Volume, and Location. By J. Barrell. M. & M., vol. 20, p. 97. 8 columns. I.

Marking Samples. E. & M. J., vol. 79, p. 814. ⅔ column.

A Method of Arranging Mine Samples. Min. & Sci. Press, vol. 79, p. 4. ½ column.

Mine Surface Sampling: Some Notes on the Various Methods of Ore Sampling, Their Imperfections and the Best Methods for Counteracting Them. By S. H. Pearce. M. & M., vol. 20, p. 391. 6½ columns. I.

Three Methods of Mine Surface Sampling. Min. & Sci. Press, vol. 84, p. 45. Note.

SOME NOTES ON MINE SURFACE SAMPLING. By S. H. Pearce. J. C. & M. Soc. S. A., vol. 2, p. 750. 12 pages. I.

Methods of Sampling and Apparatus Employed

SAMPLING FROM STAMPS AND HEAPS. Min. & Sci. Press, vol. 25. p. 274, ½ column.

ON SAMPLING THE FLOOR OF A WET LEVEL. By E. Levy. T. I. M. & M., vol. 13, p. 145. 7 pages. I.

NOTES ON SAMPLING, ANALYZING AND TREATING SLIMES. By L. Ehrmann. J. C. & M. Soc. S. A., vol. 2, p. 697. 9 pages. I.

SOME TAILING SAMPLERS. By R. G. Brown. Min. & Sci. Press, vol. 93, p. 542. 4 columns. I.

SAMPLING MATERIALS IN TAILINGS MILLS ON THE COMSTOCK LODE (Washoe): Silver Amalgamation Process. E. & M. J., vol. 51, p. 232. Note.

THE SAMPLING OF ORES AND TAILINGS. By T. Clarkson. T. I. M. & M., vol. 2, pp. 229, 238.

AN AUTOMATIC SAMPLER FOR TAILINGS, SANDS AND SLIMES. By C. H. Read. J. C. & M. Soc. S. A., vol. 3, p. 360. 2 pages.

IMPROVED SANDS AND SLIMES SAMPLERS. By H. Leupold. P. C. M. & M. Soc. S. A., vol. 5, p. 122. 3 columns. I.

SAND SAMPLING IN CYANIDE WORKS. By D. Simpson. T. I. M. & M., vol. 16, p. 30. 12 pages.

AN AUTOMATIC PULP SAMPLER. By J. Higham. J. C. & M. Soc. S. A., vol. 4, p. 232. 3 pages. I.

AUTOMATIC SAMPLER USED AT CAMP BIRD MINE. E. & M. J., vol. 79, p. 851.

CLARKSON'S SAMPLING MACHINE. E. & M. J., vol. 57, p. 513. ½ column. I.

AN AUTOMATIC SYSTEM OF SAMPLING. By P. Johnson. E. & M. J., vol. 73, p. 514. 7 columns. I.

BYRNE'S AUTOMATIC PULP-SAMPLING MACHINE. E. & M. J., vol. 73, p. 488. 1 column. I.

THE FOSTER-COOLIDGE AUTOMATIC SAMPLER. Min. & Sci. Press, vol. 84, p. 337. 1¾ columns. I.

A MIXER AND DIVIDER FOR ORE SAMPLES AND SMALL SAMPLING MACHINE. By H. L. Bridgman. E. & M. J., vol. 53, p. 275. ½ column. I.

THE DODGE SAMPLING MACHINE. Min. & Sci. Press, vol. 62, p. 193. 3 columns. I.

AUTOMATIC SAMPLER, SMUGGLER MILLS, ASPEN, COLORADO. By S. I. Hallett. Min. & Sci. Press, vol. 83, p. 55. ¾ column. I.

AUTOMATIC ORE SAMPLING. By A. Harvey. Min. & Sci. Press, vol. 88, p. 78. 5 columns. I.

NOTES ON AUTOMATIC ORE SAMPLING. By A. Harvey. Min. & Sci. Press, vol. 86, p. 367. 5 columns. I.

A DEVICE FOR REDUCING THE SIZE OF ASSAY SAMPLES. By W. S. Brown. E. & M. J., vol. 83, p. 232. 1 column. I.

BRIDGEMAN'S ASSAY OFFICE SAMPLING MACHINE. E. & M. J., vol. 61, p. 543. ½ column. I.

PNEUMATIC HAMMER AND MINE SAMPLING. P. C. M. & M. Soc. S. A., vol. 5, p. 282. ¾ column.

SAMPLING WITH A CHURN-DRILL. By M. W. Alderson. Min. & Sci. Press, vol. 92, p. 327. 2 columns. I.

A GOOD FORM OF SAMPLING PICK. Min. & Sci. Press, vol. 92, p. 21. ¼ column. I.

TAKING SAMPLES FROM DIAMOND DRILL HOLES. Min. & Sci. Press, vol. 88, p. 343. Note.

APPARATUS FOR SAMPLING ORES. Min. & Sci. Press, vol. 31, p. 129. I.

A USEFUL SAMPLER. E. & M. J., vol. 76, p. 729. ¼ column. I.

AN EMERGENCY SAMPLER. By W. D. Verschoyle. E. & M. J., vol. 80, p. 485. 2½ columns. I.

METHODS AND ARTICLES REQUIRED FOR SAMPLING. M. & M., vol. 26, p. 168. 1 column.

A DEVICE FOR SAMPLING IRON AND OTHER METALS. By P. W. Shimer. T. A. I. M. E., vol. 30, p. 321.

A DEVICE USED IN SAMPLING UNTIMBERED SHAFTS. By C. G. Gunther. E. & M. J., vol. 82, p. 247. 1 column. I.

NOTES ON STOPE BOX SAMPLING. By W. Bradford. P. C. M. & M. Soc. S. A., vol. 6, p. 153, 13 columns; p. 194, 2½ columns; p. 224, 2 columns; p. 339, 4 columns.

THE DISTRIBUTION OF THE PRECIOUS METALS AND IMPURITIES IN COPPER AND SUGGESTIONS FOR A RATIONAL MODE OF SAMPLING. By E. Keller. T. A. I. M. E., vol. 27, p. 106.

SOME SAMPLING RESULTS. By E. H. Garthwaite. T. I. M. & M., vol. 16, p. 171. 24 pages.

Sampling Ores

SAMPLING ORES CONTAINING METALLICS. E. & M. J., vol. 83, p. 845. 1½ columns.

SAMPLING AND ASSAYING OF ORES FROM THE COBALT DISTRICT. By F. F. Colcord. E. & M. J., vol. 82, p. 1164. 1¾ columns.

THE SAMPLING OF ORES CONTAINING METALLICS. By C. C. Sample. E. & M., J., vol. 82, p. 362. 3¼ columns.

ACCURACY OF COMMERCIAL SAMPLES AND ASSAYS. By E. H. Simons. Min. & Sci. Press, vol. 88, p. 9, 1¾ columns; p. 27, 1½ columns.

SAMPLING ORES FOR ASSAY. By F. D. Smith. Min. & Sci. Press, vol. 76, p. 492. 1 column+.

RELATION OF SIZE OF GRAIN TO GOLD CONTENT. Min. & Sci. Press, vol. 67, p. 277. Table.

RELATION OF MAXIMUM SIZE OF SAMPLE TO BULK IN HAND REDUCTION. Min. & Sci. Press, vol. 71, p. 284. Table.

A QUESTION OF SAMPLING. E. & M. J., vol. 73, p. 623. ½ column.

COMSTOCK ORE SAMPLING, By J. D. McGillivray. Min. & Sci. Press, vol. 72, p. 164. 3 columns.

MINE OWNERS' SAMPLING. Min. & Sci. Press, vol. 73, p. 234. 1 column.

NOTES ON SAMPLING. By H. R. Wood. Sch. Mines Quart., vol. 13, p. 364. 4 pages.

EXPERIMENTS IN THE SAMPLING OF SILVER-LEAD BULLION. By G. M. Roberts. T. A. I. M. E., vol. 28, p. 413.

METHODS OF OBTAINING AND PREPARING ORE SAMPLES. By A. Williams. Coll. Engr. & Met. Miner, vol. 15, p. 1. 7½ columns. I.

SAMPLING AND DRY CRUSHING IN COLORADO. By P. Argall. T. I. M. & M., vol. 10, p. 234. 70 pages. I.

SAMPLING. By T. Clarkson. T. F. I. M. E., vol. 9, p. 312. 8 pages.

ORE-SAMPLING. By S. A. Reed. Sch. Mines Quart., vol. 3, p. 253. 6 pages. I.

THE SAMPLING OF ARGENTIFEROUS AND AURIFEROUS COPPER. By A. R. Ledoux. J. C. M. I., vol. 2, p. 108. 10 pages. I.

NOTES ON THE SAMPLING OF ARGENTIFEROUS AND AURIFEROUS LEAD, WITH DIAGRAMS ILLUSTRATING THE UNEQUAL DISTRIBUTION (Segregation) OF THE PRECIOUS METALS. By A. C. Claudet. T. I. M. & M., vol. 6, p. 29.

A NEW SYSTEM OF ORE-SAMPLING. By D. W. Brunton. T. A. I. M. E., vol. 13, p. 639.

NOTE ON THE SAMPLING OF IRON-ORE. By E. K. Landis. T. A. I. M. E., vol. 20, p. 611.

SAMPLING ORES WITHOUT USE OF MACHINERY. By W. Glenn. T. A. I. M. E., vol. 20, p. 155.

SAMPLING CERTAIN ORES. By W. W. Taylor. E. & M. J., vol. 63, p 160. ½ column.

Sampling Silver Ores in Mexico. Min. & Sci. Press, vol. 81, p. 92. Note.

Sampling of Copper Ores. Min. & Sci. Press, vol. 80, p. 402. ½ column.

Sampling Auriferous Quartz. Min. & Sci. Press, vol. 60, p. 281, 2 columns; p. 287.

Sampling Lead Ores. Min. and Sci. Press, vol. 52, p. 7. ¼ column.

Duty and Sampling of Lead Ores. By O. B. Wise. Min. & Sci. Press, vol. 73, p. 132. 1⅓ columns.

Sampling Gold Quartz. Min. and Sci. Press, vol. 71, p. 117. 1½ columns.

Ore Sampling. Min. & Sci. Press, vol. 26, p. 252. ⅓ column.

The Sampling of Ores. E. & M. J., vol. 14, p. 9. 1½ columns.

On the Commercial Sampling of Minerals. By L. S. Austin. E. & M. J., vol. 34, p. 43, 1¼ columns; p. 70, 1 column; p. 108, 1½ columns; p. 148, 1 column.

Methods of Sampling Iron Ore. By C. T. Mixer. T. L. S. M. I., vol. 4, p. 27. 8 pages.

More Remarks on Ore Sampling. By S. A. Reed. Sch. Mines Quart., vol. 6, p. 351. 8 pages.

The Theory and Practice of Ore-Sampling. By D. W. Brunton. T. A. I. M. E., vol. 25, p. 826.

A New System of Ore-Sampling. By H. L. Bridgman. T. A. I. M. E., vol. 20, p. 416.

Notes on Sampling. E. & M. J., vol. 80, p. 405. 1 column.

Sampling and Averaging Ores. Min. & Sci. Press, vol. 87, p. 414. 1½ columns.

Notes on the Buying and Sampling of Ores, and the Working of Mines on the Tribute System, in Chili. By G. V. Hopkins. T. I. M. & M., vol. 6, p. 108.

Ore Sampling and Buying in Mexico. By E. L. Newhouse. E. & M. J., vol. 49, p. 535. 1 column.

Sampling and Measurement of Ore Bodies

List of Papers on Sampling and Estimating Ore Bodies. T. I. M. & M., vol. 9, p. 225. 1 page.

List of Papers and Works of Reference Bearing on the Subject of Sampling and Valuing Ores and Ore-Bodies. T. I. M. & M., vol. 9, p. 225.

A Graphic Method Applied to Delineating Ore Bodies, with Notes on Sampling and Estimating Ore Reserves. By A. G. Charleton. T. I. M. & M., vol. 9, p. 203. 30 pages.

The Sampling and Measurement of Ore Bodies in Mine Examination. Min. & Sci. Press, vol. 71, p. 268, 1⅓ columns; p. 284, 3 columns; p. 300, 7 columns, I.; p. 320, 2 columns.

The Sampling and Measurement of Ore Bodies in Mine Examination. By E. B. Kirby. E. & M. J., vol. 59, p. 196, 2½ columns; p. 221, 3 columns; p. 247, 3 columns.

The Sampling of Ore in a Mine. E. & M. J., vol. 75, p. 323. 3 columns.

On Sampling the Wet Floor of a (Mine) Wet Level. E. & M. J., vol. 75, p. 436. 2½ columns. I.

Estimating and Sampling Ore Reserves as Practiced on the Witwatersrand. By W. Wybergh. T. I. M. & M., vol. 4, p. 261.

Sampling and Measuring Ore Bodies in Mine Examinations. By E. B. Kirby. M. & M., vol. 20, p. 132. 4 columns. I.

Sampling Ore Bodies. E. & M. J., vol. 68, p. 672. 1⅓ columns.

Practice in Sampling Minerals, Coal, Gravels, etc.

Notes on Mine Sampling of the Main Reef Series. By D. J. Williams. J. C. & M. Soc. S. A., vol. 3, p. 160. 20 pages. I.

Distribution of Phosphorus and System of Sampling at the Pewabic Mine, Iron Mountain, Michigan. By E. F. Brown. T. L. S. M. I., vol. 3, p. 49. 8 pages.

Old Mexican Workings and Some Remarks on Sampling. By T. A. Rickard. Min. & Sci. Press, vol. 94, p. 433. 6 columns. I.

Sampling in Western Australian Gold Mines. Gold Min. & Mill. W. Aus., p. 186. 2 pages.

Sampling at Bisbee Copper Mines, Arizona. M. & M., vol. 27, p. 293. Note.

A Promising Gold-Field and Tests by Sampling. E. & M. J., vol. 76, p. 89. 4 columns.

Method of Sampling, Horn Silver Mine, Utah. E. & M. J., vol. 28, p. 352. 1 column.

Ore Sampling at El Paso, Texas. By Paul Johnson. E. & M. J., vol. 53, p. 111, 2 columns; p. 132, 1¾ columns.

Sampling as Employed in the Mesabi Iron Ore Range. E. & M. J., Mar. 9, 1905, p. 466.

Sampling Ores without Use of Machinery. By W. Glenn. E. & M. J., vol. 52, p. 195. 1⅔ columns.

When Sampling Fails. E. & M. J., vol. 77, p. 593. 1 column.

Cargo Sampling and Analysis of Iron Ores. By W. J. Rattle & Son. E. & M. J., vol. 80, p. 824. 3 columns.

Cargo Sampling of Iron Ores Received at Lower Lake Ports, Including the Methods Used in the Analysis of the Same. By W. J. Rattle & Son. T. L. S. M. I., vol. 11, p. 173. 7 pages.

Notes on Sampling and Its Importance; Also on Sampling Placer Mines. By A. D. Hodges. E. & M. J., vol. 52, p. 264. 2 columns.

A Sample Box. E. & M. J., vol. 78, p. 382. 14 columns. I.

Sampling Placer Deposits: The Importance of Correct Methods of Testing Their Value. By E. B. Kirby. M. & M., vol. 19, p. 556. 4⅔ columns. I.

Testing and Sampling Placer Deposits. By E. B. Kirby. E. & M. J., vol. 68, p. 130. 2½ columns. I.

Differential Sampling of Bituminous Coal-Seams. By J. P. Kimball. T. A. I. M. E., vol. 12, p. 317.

Method of Coal-Mine Sampling. E. & M. J., vol. 80, p. 679. 1 column.

Mine Sampling. E. & M. J., vol. 78, p. 861.

Coal Samples for Assaying. 2d. Geol. Survey, Pa., AC, p. 52. 1 page.

Sampling of Coal and Ores. Coll. Engr., vol. 12, p. 211. 1½ columns. I.

The Commercial Value of Coal-Mine Sampling. By M. R. Campbell. T. A. I. M. E., vol. 36, p. 341, 13½ pages; p. 834, 1 page.

Sampling of Coal. P. C. M., vol. 1, p. 72. 1½ pages.

Methods of Sampling Coal at Mines and on Cars. M. & M., vol. 28, p. 28. 2 columns.

Sampling at the Washoe Works, Anaconda, Montana. T. A. I. M. E., vol. 37, p. 436. 4 pages. I.

Sampling Ore from Bins at Broken Hill. E. & M. J., vol. 83, p. 318. ½ column.

The Sampling and Assaying of a Car of Bonanza Ore. Min. & Sci. Press, vol. 94, p. 241. 2¼ columns.

Methods in a Colorado Sampler. Min. & Sci. Press, vol. 76, p. 564. 1¾ columns.

Hand Sampling in Small Stamp Mills. By A. W. Warwick. Min. & Sci. Press, vol. 91, p. 274. 1¾ columns. I.

Sampling Products of Concentrating and Sliming Tables. Min. & Sci. Press, vol. 91, p. 294. 2 columns. I.

Sampling Ore Shipments. By W. J. Adams. Min. & Sci. Press, vol. 89, p. 90. 3 columns.

Sampling Custom Ores. Min. & Sci. Press, vol. 87, p. 356. 2¾ columns. I.

Saxon Ore Sample Box. Min. & Sci. Press, vol. 89, p. 358. ¼ column. I.

Inaccuracies in Mill Sampling. Min. & Sci. Press, vol. 91, p. 20. 1 column.

The Republic Sampling and Reduction Works. By D. Jackling. Min. & Sci. Press, vol. 81, p. 372. 1½ columns.

St. Louis Sampling and Testing Works. Min. & Sci. Press, vol. 80, p. 152. 2 columns. I.

Sampling of Auriferous Concentrates. Min. & Sci. Press, vol. 63, p. 234. 1 column.

Mill Samples. Min. & Sci. Press, vol. 48, p. 352. 1 column.

Sampling Department of the Anaconda Copper Company. E. & M. J., vol. 73, p. 312. ¼ column.

SIZING OF MINERAL

Screens: Theory of Sizing

Sizes of Screens for Ore. Min. & Sci. Press, vol. 52, p. 425. 2 columns. D.

Sizing by Screens. Min. & Sci. Press, vol. 34, p. 57, I.; p. 33, I.

Graphic Records of the Screening of Crushed Materials. By C. DeKalb. T. A. I. M. E., vol. 28, p. 468.

Ore-Dressing in Europe: Sizing. Sch. Mines Quart., vol. 4, p. 186. 10 pages.

Cleansing and Sizing, Saxony. Sch. Mines Quart., vol. 14, p. 232, 6 pages, I.; pp. 330, 340, 10 pages, I.

The Plotting of Sizing-Tests. By W. S. Hutchinson. T. A. I. M. E., vol. 35, p. 256. 32 pages. I.

Close Sizing before Jigging in Ore Concentration. By R. H. Richards. E. & M. J., vol. 57, p. 153. 1¼ columns.

Sizes of Screen Meshes Used in Making Anthracite Coals. 2d. Geol. Survey Pa., AC, p. 454.

Close Sizing before Jigging. By R. H. Richards. T. A. I. M. E., vol. 24, pp. 409, 918.

Sizing and Classification Trommels. Machinery for Metalliferous Mines, pp. 277–291.

Mesh vs. Aperture. E. & M. J., vol. 76, p. 690, 1½ columns; p. 767, ½ column, p. 843, ¾ column; p. 959, 1½ columns, I.; p. 997, 1 column, table.

Mesh of Screens: A Heavy Mining Grade. M. & M., Apr., 1902, p. 399. ½ column.

Report of Sub-Committee on the Standardization of Battery Screening. P. C. M. & M. Soc. S. A., vol. 6, end of vol. 24 columns.

Standard Screens, Weights and Measures. E. & M. J., vol. 83, p. 526. 2½ columns. 1.

Standardization of Screens. Min. & Sci. Press, vol. 94, p. 60. 2½ columns.

Standard Screens for Screen Analysis. By C. DeKalb. E. & M. J., vol. 80, p. 151. 4 columns. D.

Standardization of Screens. E. & M. J., vol. 80, p. 213. 4½ columns. D.

Size of Screens and Extraction. J. C. & M. Soc. S. A., vol. 2, p. 231. 2 pages.

Classification by Air Blast in Saxony. Sch. Mines Quart., vol. 15, p. 118. 6 pages. I.

The Newago Screen. E. & M. J., vol. 84, p. 1120. 1 column. I.

Screens for Sizing. By E. A. Hersam. T. A. I. M. E., vol. 37, p. 265. 24 pages.

New Century Disintegrating Screen. E. & M. J., vol. 83, p. 846. 1½ columns. I.

Screens. T. N. S. I. M. & M. E., vol. 4, p. 106. 4 pages.

Mechanical Screens. By E. B. Wain. T. N. S. I. M. & M. E., vol. 10, p. 252. 6 pages. I.

Mill Screens. By W. H. Ince. Min. & Sci. Press, vol. 88, p. 163. 4 columns. I.

Tin Plate Battery Screens. Min. & Sci. Press, vol. 78, p. 176. 1 column. I.

An Adjustable Screen for Stamp Batteries. Min. & Sci. Press, vol. 50, p. 33. ⅔ column.

Best Shape of Screens for Various Sizes, Speeds, Inclination, etc. E. & M. J., vol. 81, p. 236. Note.

The Wild Mill and Screen. E. & M. J., vol. 79, p. 1248. 3 columns. I.

Bucyrus Coal Screen (Oscillating on Rollers). E. & M. J., vol. 41, p. 357.

Rolled-Slot Screen. M. & M., Dec., 1904, p. 231.

Wear of Screens in Stamp-Mill Work. T. A. I. M. E., vol. 23, p. 564.

Kinds of Screens and Method of Operation

Revolving Sizing Screens for Coal Washing Plant: Sprinkling and Capacity of Screens. Sch. Mines Quart., vol. 17, p. 392. 1 page.

Rotary Screen on Fixed Shaft: Construction. E. & M. J., vol. 80, p. 347. 1 column. I.

A Revolving Screen with Outside Feed. E. & M. J., vol. 83, p. 236. ⅔ column. I.

The "Vibromotor" Screen. E. & M. J., vol. 61, p. 278. ⅙ column. I.

Gyrating Screen for Sizing. Min. & Sci. Press, vol. 65, p. 89. ½ column. I.

The Traylor Centripact Screen. Min. & Sci. Press, vol. 89, p. 139. 2 columns. I.

The Centripact Screen. E. & M. J., vol. 78, p. 354. 3 columns. I.

Shaking Screens at the Truesdale Washery. E. & M. J., vol. 80, p. 867. 2 columns. I.

On the Use of the Impact Screen in Tin-Dressing. By J. H. Collins. T. I. M. & M., vol. 15, p. 524. 1 page.

A Hand Screen Used at Monteponi, Sardinia. By E. Ferraris. E. & M. J., vol. 83, p. 1041. 1 column. I.

The Ferraris Waving Screen. By C. W. Wright. Min. Mag., vol. 11, p. 333. 10 columns. I.

The Sturtevant Toggle Separator. M. & M., May, 1902, p. 440. 1½ columns.

The Pratt Ore Sizer. By A. H. Wethey. E. & M. J., vol. 80, p. 435. 2 columns. I.

A Traveling-Belt Screen. By J. M. Callow. E. & M. J., vol. 81, p. 468. 5 columns. I.

Construction of Grizzlies as Used in the Joplin District. Univ. Geol. Surv. of Kansas, vol. 8, p. 258. 1 page. I.

The Finger-Chute. Min. & Sci. Press, vol, 94, p. 794. 2 columns. I.

Speed and Capacity of Screens for Anthracite. M. & M., vol. 21, p. 70. 1 column. I.

Capacity of Trommels. Min. & Sci. Press, vol. 93, p. 683. Note.

A Disk Roller Coal Screen. E. & M. J., vol. 68, p. 69. ¾ column. I.

A Unique Coal Screen. By F. W. Parsons. E. & M. J., vol. 82, p. 925. 2½ columns.

Loading and Screening Coals. T. N. S. I. M. & M. E., vol. 4, p. 23. 8 pages.

On the Tipping and Screening of Coal. By J. Riggs. T. N. S. I. M. & M. E., vol. 4, p. 103, 8 pages; p. 192, 4 pages.

Sizing of Coal, Bituminous: Actual Sizes of Lump, Nut and Slack E. & M. J., vol. 81, p. 716. Note.

Sizes of Anthracite Coal. E. & M. J., vol. 75, p. 675. 1¼ columns.

Effect of Sizing in Removing Sulphur from Coal by Washing. T. A. I. M. E., vol. 28, pp. 486, 854.

Sizes for Screens for Anthracite Coal. M. & M., Aug., 1901, p. 44.

Anthracite Coal-Breaking and Sizing Plant at Glyncastle Colliery. By W. D. Wight. T. F. I. M. E., vol. 12, p. 238. 19 pages. I.

Machinery for Sizing Coal: Adjustable, Finger, and Movable or Oscillating Bars; Fixed and Movable screens. T. A. I. M. E., vol. 19, p. 401.

A Large Coal-Screening and Washing Plant. E. & M. J., vol. 61, p. 495. 1 column.

The Separation of Dust from Small Coal. By W. M. Mackey. Min. Mag., July, 1904, p. 51.

SIGNALING IN MINES

Signal Codes for Mines

Legal System of Mine Bell Signals in California. E. & M. J., vol. 83, p. 967. 1¼ columns.

Uniform Signals for Colorado Mines. E. & M. J., vol. 68, p. 131. ½ column.

Colorado Mine Signals. M. & M., vol. 20, p. 211. ½ column.

Signaling Devices. 2nd. Geol. Survey Pa., AC, pp. 280, 282.

Montana Mine Signals. M. & M., vol. 21, p. 156. ½ column.

Code of Signals Used in the Butte Copper Mines. M. & M., vol. 21, p. 156. ½ column.

Bell Signals and the Hoisting Engineer. Min. & Sci. Press, vol. 93, p. 144. 1 column.

Illinois Mine Signal Code. E. & M. J., vol. 81, p. 424. ½ column.

Mine Signals, Pennsylvania Coal Mines. Rept. Inspr. Mines, Pa., 1875, p. 175. ⅓ page.

Code of Signals in Western Australia Mines. Gold Min. & Mill. W. Aus., p. 492. Table.

Signal Bells, for Mines. Mech. Eng. Coll., Futer's, p. 306. 3 pages. I.

Mine Bell Signals. Min. & Sci. Press, vol. 86, p. 194. ⅔ column.

A Proposed Signal Code. Min. & Sci. Press, vol. 87, p. 23. ½ column.

Uniform Bell Signals. Min. & Sci. Press, vol. 88, p. 215. ⅞ column.

Mine Bell Signals. Min. & Sci. Press, vol. 90, p. 297. 2¾ columns.

Mine Bell Signals. Min. & Sci. Press, vol. 81, p. 316. 1½ columns.

A Code of Mine Signals. Min. & Sci. Press, vol. 64, p. 440. ½ column.

Mining Bell Signals. Min. & Sci. Press, vol. 66, p. 68. ⅔ column.

Signal Code. J. C. M. I., vol. 6, p. 163. Table.

Hoisting Signals for Mines. E. & M. J., vol. 75, p. 933. ½ column.

Mine Signals. By F. C. Roberts. E. & M. J., Feb. 23, 1905, p. 382. 2 columns.

Mine Signaling. Min. & Sci. Press, vol. 83, p. 270.
M. & M., Nov., 1901,p. 167.

Signals in the Deep Level Shafts of the Rand. M. & M., vol. 26, p. 474. ⅓ column.

Bell-Code of Signals and Flash-Light Code, Bisbee, Arizona. M. & M., vol. 27, p. 292. Note.

An Ingenious Signaling Arrangement. Coll. Engr., vol. 9, p. 171. ½ column.

A New Shaft Signal. E. & M. J., vol. 57, p. 31. ½ column. I.

Signal-Device for Mines. By C. S. Herzig. T. A. I. M. E., vol. 30, p. 314.

A Shaft Signaling Device. By E. H. Garthwaite. E. & M. J., Feb. 16, 1905, p. 326. 2 columns. I.

A Shaft Signaling Device. By E. H. Garthwaite. T. I. M. & M., vol. 14, p. 251. 2 pages. I.

Safety Signals for Mine Shafts. Coll. Engr., vol. 12, p. 195. ⅓ column.

A Number Scheme for Mines. By M. W. Alderson. Min. & Sci. Press, vol. 87, p. 267, 1¼ columns; p. 391, 1 column; vol. 88, p. 8, 1 column.

Methods of Signaling: By Compressed Air, Electricity, Telephones, etc.

Mine Signaling by Compressed Air. By B. MacDonald and Wm. Thompson J. C. M. I., vol. 6, p. 161. 8 pages. I.

Mine Signaling by Compressed Air. By B. MacDonald and Wm. Thompson. Min. & Sci. Press, vol. 85, p. 220. 2½ columns.

Electric Signals at West Vulcan. By A. W. Thompson. T. L. S. M. I., vol. 6, p. 27. 10 pages. I.

Electric Signals at West Vulcan Iron Mine, Mich. By A. W. Thompson. E. & M. J., vol. 69, p. 379. 1 column.

Electric Mine Signals. E. & M. J., vol. 66, p. 639. 1¼ columns.

Electric Shaft Signal Used at Parker Shaft. M. & M., Apr., 1901, p. 419. 1 column.

Electrical Mine Signals. M. & M., Nov., 1901, p. 167.

Electric Bell System for Mines. Min. & Sci. Press, vol. 83, p. 270.

Electric Haulage and Signaling. E. & M. J., vol. 59, p. 33. 1 column. I.

Electric Signaling in Mines. By E. Z. Burns. Sch. Mines Quart., vol. 9, p. 357. 6 pages.

Electric Mine Signaling. By H. C. Hubbell. M. & M., vol. 26, p. 22. 1 column.

Electrical Signal for Mines: Practice at Ophir Mine. E. & M. J., vol. 18, p. 310. ¼ column.

Mine Signals, Electric. Min. & Sci. Press, vol. 34, p. 19. ⅓ column.

Electric Mine Signals. Min. & Sci. Press, vol. 78, p. 64. 1 column.

Mine Electric Bell System. By E. M. Kirk. Min. & Sci. Press, vol. 83, p. 270. ⅓ column.

Electric Signals in European Mines. Min. & Sci. Press, vol. 84, p. 259. Note.

Electric Mine Signals and Telephones. By G. E. Walsh. Min. & Sci. Press, vol. 91, p. 29. 1½ columns.

Early Notions of Electric Signaling. By T. M. Goddard. T. N. S. I. M. & M. E., vol. 1, p. 77. 6 pages.

On the Theory and Practice of Electric Communication as Applied to Colliery Workings. By H. A. Dibbin. T. N. S. I. M. & M. E. vol. 1, p. 114. 11 pages. I.

An Electric Indicating Two-Wire Signal. By J. Willis. T. I. M. E., vol. 29, p. 167. 8 pages. I.

Electric Signal System for Mines. By L. C. Fichtel. E. & M. J., vol. 84, p. 771. 3 columns. I.

Electric Mine Haulage Signals. By P. Cassidy. M. & M. vol. 28, p. 472. 2⅔ columns. I.

Telephonic Communications in and about Coal-Mines. By A. W. Bennett. T. F. I. M. E., vol. 10, p. 372. 4 pages. I.

Electrical Communication in Mining Operations: Arrangement of Signal Bells, Telephones, etc. By W. E. Culbertson. M. & M., vol. 19, p. 351. 4 columns. I.

Telephonic Communication Underground. By T. W. Sprague. E. & M. J., vol. 59, p. 439. 1 column. I.

One Use of the Telephone. By F. S. Marsh. T. F. I. M. E., vol. 3. p. 1007. 4 pages. I.

A Telephone for Use in Mines. E. & M. J., vol. 75, p. 862. 1¼ columns. I.

Mine and Mill Telephones. M. & M. May, 1901, p. 470. 1 column.

Telephones in the Mines. Min. & Sci. Press, vol. 35, p. 344. ⅔ column.

Improved Telephonic Apparatus for Mines. Min. & Sci. Press, vol. 44, p. 210. ½ column.

Mine Telephones. By W. Hahnmann. E. & M. J., vol. 81, p. 937. ¾ column.

Telephones in Mines. By E. F. Roth. E. & M. J., vol. 81, p. 1002. ¾ column.

Signal Triangle. Min. & Sci. Press, vol. 21, p. 255. ⅔ column. I.

Telephone Lines in Coal Mines. E. & M. J., vol. 81, p. 361. 3 columns.

Telephone Troubles and How to Find Them. By P. K. Higgins. Min. & Sci. Press, vol. 84, p. 51. 2¾ columns. I.

Construction of Mine Telephone Lines. Min. & Sci. Press, vol. 84, p. 7. 1½ columns. I.

The Use of Telephones in Coal Mines. E. & M. J., vol. 82, p. 449. ¾ column.

Flashlight Call Signals (in Mines). Min. & Sci. Press, vol. 75, p. 365. ⅔ column.

Flash-Light Signaling in the Butte Copper Mines. M. & M., vol. 20, p. 396. Note.

SURVEYING

Surveying Instruments

History of Solar Surveying Instruments. By J. B. Davis. T. A. I. M. E., vol. 30, p. 803.

Mine-Surveying Instruments. By D. D. Scott. T. I. M. E., vol. 28, p. 624. 60 pages. I.

Notes upon Ancient and Modern Surveying and Surveying Instruments, Books, Tables, etc. By H. D. Hoskold. T. I. M. E., vol. 19, p. 171, 70 pages, I.; vol. 24, p. 498, 25 pages.

A New Instrument for Underground Surveying: Station Locator. Min. & Sci. Press, vol. 42, p. 173. 1 column. I.

Mining Surveys and Surveying Instruments. Min. & Sci. Press, vol. 46, p. 122. 1 column.

Improvised Surveying Instruments. By J. L. Greenleaf. Sch. Mines Quart., vol. 7, p. 145. 3 pages. I.

Additional Remarks on Surveying Instruments. By H. D. Hoskold. T. A. I. M. E., vol. 35, p. 322. 4 pages. I.

A Simple and Convenient Instrument for Mine Surveys. By F. Robbins. J. C. M. I., vol. 4, p. 99. 8 pages. I.

Mine-Surveying Instruments. By D. D. Scott. T. I. M. E., vol. 23, p. 575. 48 pages. I.

Imperfections in Surveying Instruments. By J. H. Harden. T. A. I. M. E., vol. 7, p. 308.

The Evolution of Mine-Surveying Instruments. By D. D. Scott. T. A. I. M. E., vol. 28, pp. 679, 919.

The Evolution of Mine-Surveying Instruments. By A. C. Young, F. Owen and R. W. Raymond. T. A. I. M. E., vol. 30, p. 783.

Remarks on Mine-Surveying Instruments, with Special Reference to Mr. Dunbar D. Scott's Paper on their Evolution, and its Discussions. By H. D. Hoskold. T. A. I. M. E., vol. 31, pp. 25, 56, 716, 921.

Notes on Mining-Surveying Instruments, with Special Reference to Mr. D. D. Scott's Paper on their Evolution, and its Discussion. By B. S. Layman. T. A. I. M. E., vol. 31, p. 56.

A Simple Instrument for Mine Surveys. By F. Robbins. Min. & Sci. Press, vol. 89, p. 256. 2¾ columns. I.

How to Construct a Vernier. M. & M., June, 1902, p. 525.

Aladdin Reading Lens. M. & M., Aug., 1902, p. 12. ¾ column.

Double-Reflecting Objective Prism. T. A. I. M. E., vol. 28, p. 731.

A Convenient Back Sight for Underground Surveys. By C. E. Morrison. M. & M., Aug., 1904, p. 10. 1½ columns. I.

Winged Plumb-Bob. T. A. I. M. E., vol. 24, p. 28.

Brathuhu Measuring Wheel for Determining the Depth of Perpendicular Shafts. M. & M., vol. 19, p. 70. ½ column. I.

Repairing Broken Cross-Wires. Min. & Sci. Press, vol. 92, p. 110. ⅔ column.

Standardization of Surveyors' Chains. By H. Louis. T. I. M. E., vol. 23, p. 85, 10 pages, I.; p. 229, 18 pages.

To Lay Off an Angle with a Tape. M. & M., vol. 28, p. 533. 1½ columns. I.

Surveyors' Tape Splice. M. & M., May, 1904, p. 491. ½ column. I.

A Measuring Tape and Its Use in Mine-Surveying. By S. J. Pollitzer. T. I. M. E., vol. 25, p. 17. 8 pages.

The Gradient-Telemeter Level. E. & M. J., vol. 59, p. 176. 1 column. I.

Adjustment of Bench Levels. By S. D. Bleich. Sch. Mines Quart., vol. 28, p. 109. 6½ pages.

Brown's Gradient Indicator. E. & M. J., vol. 54, p. 443. Note. I.

Macdonald's Hydrostatic Level. Min. & Sci. Press, vol. 47, p. 129. 3 columns. I.

Notes on Tripod-Heads, with Reference to Mr. D. D. Scott's Paper on their Evolution, and its Discussion. By J. H. Harden. T. A. I. M. E., vol. 31, p. 109.

Support for Surveying Instruments — Shaft or Transit Bar. M. & M., vol. 20, p. 463. ⅔ column.

Signal Tripods for Trigonometrical Stations of the New York State Survey. By C. F. Ferrer. Sch. Mines. Quart., vol. 4, p. 277. 8 pages. I.

Ramsay's Patent Improved Leveling Staff for Use in Mines. By W. Ramsay. T. F. I. M. E., vol. 1, p. 293. 7 pages. I.

The Grubb Sight for Surveying-Instruments. By H. Grubb and H. Davis. T. I. M. E., vol. 23, p. 118. 8 pages. I.

A New Leveling Rod for Surveyors. Min. & Sci. Press, vol. 27, p. 153. ¾ column.

A New Telemeter Target. E. & M. J., vol. 57, p. 129. 1 column. I.

Invention of the Compass. E. & M. J., vol. 51, p. 237. Note.

The Hanging Compass and Arc for Mine Surveying. By T. H. Leggett. Sch. Mines Quart., vol. 5, p. 46. 2 pages.

An Improved Hanging Compass. By G. R. Johnson. E. & M. J., vol. 56, p. 191. ½ column. I.

Van Slooten's Miners' Compass. E. & M. J., vol. 71, p. 149. 2 columns. I.

The Mining Compass and Trigonometer. By E. G. Gaertner. T. A. I. M. E., vol. 14, p. 870.

Improved French Pocket-Compass, By R. A. Bergier. T. A. I. M. E.. vol. 18, p. 97.

AN IMPROVED HANGING COMPASS. By G. R. Johnson. T. A. I. M. E., vol. 22, p. 543.

REMAGNETIZING A COMPASS NEEDLE. M. & M., Feb., 1902, p. 334.

CORRECTION FOR SIDE- AND TOP-TELESCOPES. M. & M., Jan., 1903, p. 284; Apr., 1904, p. 437.

AUXILIARY TELESCOPES FOR MINING TRANSITS. T. A. I. M. E., vol. 31, pp. 97 and 98.

THE USE OF THE UPPER TELESCOPE. By H. W. Althouse. Coll. Engr., vol. 12, p. 199. 1¼ columns. I.

REMARKS ON A MINING TRANSIT AND PLUMMET-LAMP. By R. W. Raymond. T. A. I. M. E., vol. 1, p. 375.

IMPROVED FORM OF PLUMMET-LAMP FOR SURVEYING IN MINES WHERE FIRE-DAMP MAY BE MET WITH. By E. B. Coxe. T. A. I. M. E., vol. 3, p. 39.

PLUMMET LAMP SUPPORT FOR TUNNEL WORK. J. W. Soc. E., vol. 2, p. 65. ¼ page. I.

RAPID TRAVERSER. By J. Henderson. T. F. I. M. E., vol. 5, p. 199. 4 pages. I.

NOTE CONCERNING AN OLD INSTRUMENT FOR FINDING DISTANCES, EXHIBITING THE OLDEST KNOWN FORM OF THE TRANSIT-THEODOLITE PRINCIPLE. By H. D. Hoskold. T. A. I. M. E., vol. 34, p. 317.

HULBERT'S ORIGINAL SIDE-TELESCOPE TRANSIT. T. A. I. M. E., vol. 30, p. 792.

PETHERICK'S MINE TRANSIT WITH THE FIRST OR TOP-AUXILIARY TELESCOPES. T. A. I. M. E., vol. 30, p. 788.

McNAIR'S ORIGINAL INCLINED-STANDARD MINE TRANSIT. T. A. I. M. E., vol. 30, p. 789.

AN IMPROVED FORM OF TRANSIT-THEODOLITE FOR MINING AND CIVIL ENGINEERS. By H. D. Hoskold. T. A. I. M. E., vol. 31, p. 884.

AN ECCENTRIC THEODOLITE. By F. L. Vinton. T. A. I. M. E., vol. 1, p. 63.

BRUNTON'S POCKET TRANSIT. E. & M. J., vol. 59, p. 464. ½ column. I.

KOCH'S THEODOLITE MOUNTER: Section of Sutro Tunnel. Min. & Sci. Press, vol. 37, p. 193. ½ column. I.

IMPROVEMENTS IN UNDERGROUND SURVEYING: Transit Column. By L. Wagoner. Min. & Sci. Press, vol. 44, p. 409. 1½ columns. I.

CENTERING THE TRANSIT IN MINING SHAFTS. Min. & Sci. Press, vol. 46, p. 57. 3 columns. I.

CARE OF THE TRANSIT AND METHODS OF WORK. By O. H. Packer. Min. & Sci. Press, vol. 74, p. 132. 1⅓ columns.

THE VERSCHOYLE POCKET TRANSIT. By W. D. Verschoyle. E. & M. J., vol. 83, p. 427. 3 columns. I.

A NEW CIVIL AND MINING ENGINEERS' TRANSIT-THEODOLITE FOR CONNECTING UNDERGROUND WORKINGS TO THE SURFACE, ETC. By H. D. Hoskold. T. I. M. E., vol. 27, p. 536. 30 pages. I.

THE HAMMER-FENNEL TACHYMETER-THEODOLITE. By A. F. Eoll. T. I. M. E., vol. 27, p. 373. 16 pages. I.

A NEW POCKET-TRANSIT. By W. D. Verschoyle. T. I. M. E., vol. 32, p. 165. 7 pages. I.

A HAND-TELESCOPE FOR STADIA-WORK. By R. H. Richards. T. A. I. M. E., vol. 20, p. 732.

ADDITIONAL NOTES ON THE PRISMATIC STADIA-TELESCOPE. By R. H. Richards. T. A. I. M. E., vol. 21, p. 993.

A NEW STADIA DIAGRAM. By M. A. Knapp. E. & M. J., vol. 66, p. 219. 2½ columns. I.

A SLIDING STADIA ROD. By G. Thompson. Sch. Mines Quart., vol. 19, p. 302. 3 pages. I.

STADIA LINES. By H. D. Taylor. Engineering, London, vol. 75, p. 533. 1¾ columns. I.

STADIA SURVEYING IN FIELD AND OFFICE. By C. Oldknow. Coll. Engr. & Met. Miner, vol. 14, p. 261. 2¾ columns. I.

SUGGESTIONS FOR STADIA SURVEYING. Min. & Sci. Press, vol. 74, p. 93. 2 columns. I.

AN ADAPTATION OF THE STADIA TO SMALL SCALE RECONNOISSANCE SURVEYS. By R. H. Chapman. Min. & Sci. Press, vol. 94, p. 91. 1½ columns. I.

A STADIA DIAGRAM. By M. K. Trumbull. J. W. Soc. E., vol. 3, p. 1399. 10 pages. I.

STADIA IN CAREFUL WORK. By A. H. Webb. T. I. M. & M., vol. 15, p. 304. 22 pages. I.

THE MAGNETIC NEEDLE AND MINING PLANS. Min. & Sci. Press, vol. 42, p. 414. 2 columns.

THE DIPPING NEEDLE AND THE MINERS' COMPASS. By W. A. Smith. E. & M. J., vol. 60, p. 52. 5¾ columns. I.

THE MAGNETIC DIPPING NEEDLE. E. & M. J., vol. 54, p. 99. ½ column.

THE CONSTRUCTION AND USE OF THE DIPPING NEEDLE. By D. T. Marshall. E. & M. J., vol. 53, p. 566. 1 column.

HENDERSON'S RAPID TRAVERSER. M. & M., vol. 25, p. 555. 2¼ columns. I.

THE BAROMETER IN MINING: The Possibilities and Importance of the Use of this Instrument in Guarding Against Gas in Mines. By F. Z. Schellenberg. M. & M., Feb., 1902, p. 319. 1¼ columns.

LIGHTS IN MINE SURVEYING. By T. Lane Carter. E. & M. J., vol. 68, p. 214. ⅓ column.

Magnetic Surveys

THE ACTION OF ELECTRIC CURRENTS ON MINE-SURVEYING INSTRUMENTS. Min. & Sci. Press, vol. 72, p. 169. ¾ column. By W. Lenz. E. &. M. J., vol. 61, p. 377. 1 column.

MAGNETIC OBSERVATIONS IN THE TAMARACK MINE, MICHIGAN. Min. & Sci. Press, vol. 92, p. 160. ½ column.

PRACTICAL USE OF MAGNETIC ATTRACTIONS. By V. S. Hillyer. T. L. S. M. I., vol. 10, p. 48. 12 pages. I.

DECLINATION AND VARIATION OF THE MAGNETIC NEEDLE. M. & M., vol. 20, p. 189. Map.

MAGNETIC DECLINATION AND ITS VARIATIONS. By H. Stroud. T. F. I. M. E., vol. 7, p. 268. 7 pages.

MAGNETIC DECLINATION IN MINES. By J. Henderson. T. F. I. M. E., vol. 8, p. 273. 3 pages.

TIBERG'S MAGNETIC INCLINATION SCALE. By E. A. Sjöstedt. J. M. Soc. N. S., vol. 2, p. 117. 14 pages. I.

MAGNETIC SURVEYING IN SWEDISH IRON MINES. Engineering, London, vol. 66, p. 469. 8 columns. I.

ERRORS IN MAGNETIC BEARINGS. M. & M., vol. 18, p. 148. 2 columns.

THE MAGNETIC SURVEY OF GREAT BRITAIN: Effect of Coal-Fields; Effect of Basalt; Effect of Faults. T. F. I. M. E., vol. 9, p. 417. 10 pages. I.

THE DETERMINATION OF, AND USE OF, THE MAGNETIC MERIDIAN IN MINE-SURVEYING. By R. F. Percy. T. F. I. M. E., vol. 12, p. 581. 4 pages. I.

SEARCHING FOR ORE DEPOSITS WITH DIPPING NEEDLE. E. & M. J., vol. 60, p. 52. I.

THE USE OF MAGNETIC INSTRUMENTS IN EXPLORING FOR IRON ORE. By G. Nordenstrom. E. & M. J., vol. 66, p. 337. 2 columns. I.

THE USE OF THE MAGNETIC NEEDLE IN SEARCHING FOR MAGNETIC IRON ORE. By J. C. Smock. T. A. I. M. E., vol. 4, p. 353.

MAGNETIC OBSERVATIONS IN GEOLOGICAL MAPPING. By H. L. Smith. T. A. I. M. E., vol. 26, p. 640.

Surface Surveys: Claims, etc.

NOTES ON SURVEYS AND LEVELINGS IN CANADA. By G. L. Griffith. T. I. M. E., vol. 26, p. 552. 18 pages. I.

The Geological Survey of Canada as an Educational Institution. By T. L. Walker. J. C. M. I., vol. 7, p. 435. 16 pages.

The Advantages of Combining Topographical with Geological Surveying in Unexplored Regions. By R. Bell. J. C. M. I., vol. 8, p. 56. 2 pages +.

A Canadian Department of Mines or Geological Survey. By J. B. Tyrrell. J. C. M. I., vol. 9, p. 107. 7 pages.

Description of the Topographic Work of the United States Geological Survey. By G. F. Sherman. Sch. Mines Quart., vol. 14, p. 238. 8 pages.

Geodetic and Topographic Surveys. By H. M. Wilson. Sch. Mines Quart., vol. 6, p. 37. 20 pages. I.

The United States Geological Survey. By R. D. Irving. Sch. Mines Quart., vol. 4, p. 284. 14 pages.

Topographical Surveying and Keeping Survey Notes. By R. P. Rothwell. T. A. I. M. E., vol. 3, p. 207.

Mine Patent Surveys. Min. & Sci. Press, vol. 88, p. 77. 1¾ columns.

Triangulation Problem. By J. C. Trautwine. E. & M. J., vol. 27, p. 405. 1 column. I.

The Adjustment of Triangulation. By E. M. Douglas. Sch. Mines Quart., vol. 14, p. 289. 3 pages. I.

Surveying of Mining Claims in Colorado. By R. A. Parker. Sch. Mines Quart., vol. 2, p. 116. 12 pages. I.

On Surface Surveys and the Necessity of Contour Surveys in the Gold Districts of Nova Scotia. By M. Murphy. T. F. C. M. I., vol. 1, p. 176. 9 pages.

Surveying: General Practice in Surveying Mineral Lands and Gold and Silver Mines. By A. Mathez. Coll. Engr. & Met. Miner, vol. 17, p. 137, 6¾ columns, I.; p. 188, 6½ columns, I.; p. 234, 6½ columns, I.; p. 284, 8 columns, I.; p. 335, 4 pages, I.; p. 406, 4 pages; p. 452, 4 pages, I.; p. 502, 4 pages, I.; p. 544, 4½ pages, I.

Rocky Mountain Mine Surveying: Some Convenient Methods which are Especially Suited to the Conditions there Met. By J. Barrell. M. & M., vol. 19, p. 241, 8 columns, I.; p. 433, 9½ columns, I.; vol. 20, p. 299, 4¼ columns, I.

A Geological Survey of a Mining Property. By T. C. Hopkins. M. & M., vol. 20, p. 182. 2 columns.

Surveying Mining Claims. By C. Tappan. E. & M. J., vol. 64, p. 244. 1¼ columns.

Staking Creek and River Claims. E. & M. J., vol. 65, p. 163. I.

Photographic and Coördinate Surveying. By H. M. Stanley. T. A. I. M. E., vol. 20, p. 740.

Photographic Surveying. By Wm. Griffith. M. & M., vol. 27, p. 486. 1¾ columns. I.

A Graphic Solution of the Direct Solar Observation. By J. Underhill. M. & M., vol. 28, p. 510. 3 columns. I.

Underground Surveys

Additional Notes on Mine Surveying. By G. A. Troye. T. I. M. & M., vol. 9, p. 430. 13 pages. I.

Notes on Mine Surveying, with Special Reference to the Transvaal. By G. A. Troye. T. I. M. & M., vol. 9, p. 126. 29 pages. I.

Mine Surveying as Carried on at Center Star Mine, Rossland, British Columbia. By L. H. Cole. J. C. M. I., vol. 8, p. 317. 19½ pages. I.

A Reference-Scheme for Mine-Workings. By W. E. Sanders. T. A. I. M. E., vol. 37, p. 128. 12 pages. I.

The Method of Keeping "Stope Books" in the Mines of the Butte District, Montana. By C. E. Morrison. Sch. Mines Quart., vol. 26, p. 120. 9 pages. I.

Colliery Surveying and Office Methods. By F. W. Parsons. E. & M. J., vol. 82, p. 447. 4¾ columns.

Some Practical Points on Mine Surveying. By L. C. Hodson. E. & M. J., vol. 84, p. 113. 5 columns.

A Method of Survey for Secondary Mine Openings. By F. L. Burr and E. M. Vulcan. T. L. S. M. I., vol. 11, p. 164. 9 pages. I.

Underground Surveying. By Blamey Stevens. Min. & Sci. Press, vol. 93, p. 514. 1¾ columns.

Mine Surveying. By C. A. S. Andrews. Min. & Sci. Press, vol. 91, p. 399, 2½ columns; p. 414, 3 columns.

The "String Method" of Underground Surveying. E. & M. J., vol. 81, p. 477. 2½ columns.

On Mine Surveying. By O. C. Burkhart. Coll. Engr., vol. 13, p. 139, 1⅔ columns; p. 161, 1⅓ columns; p. 171, 4⅔ columns, I.; p. 187, 1½ columns, I.; p. 211, 1½ columns; p. 227, 2½ columns, I.; p. 235, 2⅔ columns, I.; p. 246, 2½ columns; p. 261, 1½ columns, I.; p. 275, 2½ columns; p. 291, 2½ columns, I.

Mine Surveying. By E. H. Williams. Coll. Engr. & Met. Miner, vol. 14, p. 10, 2¾ columns; p. 21, 1⅓ columns; p. 37, 2½ columns; p. 49, 2⅓ columns, I.; p. 67, 2⅔ columns, I.; p. 77, 2 columns, I.; p. 92, 2¼ columns, I.; p. 106, 1⅔ columns, I.; p. 131, 2 columns; p. 134, 2 columns; p. 144, 1 column + ; p. 161, 1 column; p. 168, 2 columns; p. 190, 2 columns; p. 197, 4 columns; p. 224, 3½ columns; p. 272, 2 columns; p. 289, 2 columns; p. 319, 1 column.

Method of Taking Sights in a Curved Entry. M. & M., vol. 20, p. 371. ½ column. I.

On Rough Surveying. E. & M. J., vol. 11, p. 56. 1¼ columns. I.

Surveying in Pitching Seams. M. & M., vol. 24, p. 189. 1 column. I.

The Surveying of Mines. By J. L. Culley. E. & M. J., vol. 53, p. 669. ⅞ column.

Mine Surveying and Mapping. 2d. Geol. Survey Pa., AC, p. 11.

Examination and Survey of Mineral Lands. E. & M. J., vol. 37, p. 41, 1¾ columns; p. 98, ½ column.

Outline Scheme for Mine Surveying. By E. B. Durham. Sch. Mines Quart., vol. 17, p. 210. 11 pages.

Anthracite Mine Surveying. By R. Van A. Norris. Sch. Mines Quart., vol. 11, p. 328. 6 pages. I.

Inaccessible Distances in Surface and Underground Surveying. By H. S. Munroe and J. W. Davis. Sch. Mines Quart., vol. 3, p. 25. 6 pages. I.

Mine Surveying. By H. S. Munroe and G. A. Suter. Sch. Mines Quart., vol. 3, p. 269. 8 pages.

Notes on Mine Surveying, with Special Reference to the Transvaal. By G. A. Troye. T. I. M. & M., vol. 9, p. 126. 30 pages.

Additional Notes on Mine Surveying. By G. A. Troye. T. I. M. & M., vol. 9, p. 430. 14 pages.

Mine Surveying. By E. D. Durham. Coll. Engr. & Met. Miner, vol. 15, p. 174, 5 columns; p. 194, 4 columns, I.; p. 219, 2½ columns, I.; p. 246, 6 columns, I.; p. 266, 4 columns, I.; vol. 16, p. 8, 3½ columns, I.; p. 30, 4 columns, I.; p. 52, 4½ columns, I.

Determining the Dip and Strike of a Vein or Stratum. By O. H. Landreth. E. & M. J., vol. 56, p. 572, ¾ column. I.

The Need of Good Underground Surveys. By P. H. Van Diest. E. & M. J., vol. 12, p. 246. ⅞ column.

Improved Method of Measuring in Mine Surveys. By E. B. Coxe. T. A. I. M. E., vol. 2, p. 219.

Survey of Underground Connections at Leavenworth, Kansas. By E. A. Sperry. T. A. I. M. E., vol. 24, p. 25.

METHODS OF WORKING AND SURVEYING THE MINES OF THE LONGDALE IRON COMPANY, VIRGINIA. By G. R. Johnson. T. A. I. M. E., vol. 20, p. 96.

A MINING SURVEY. By J. F. Wilkinson. T. A. I. M. E., vol. 30, p. 693.

VOLUME OF SMALL DRIFTS AND WORKING PLACES. By C. S. Herzig. M. & M., vol. 21, p. 344. 1¾ columns. I.

THE SAMPLING AND MEASUREMENT OF ORE BODIES IN MINE EXAMINATION. By E. B. Kirby. E. & M. J., vol. 59, pp. 196, 221, 247.

A NEW METHOD OF MEASURING STOPES. By F. T. Greene. E. & M. J., vol. 69, p. 112. 1 column. I.

A METHOD OF OBTAINING THE VOLUME OF SMALL DRIFTS AND WORKING PLACES WHERE IT IS IMPOSSIBLE TO USE A TRANSIT. By C. S. Herzig. T. A. I. M. E., vol. 30, p. 778.

TRANSIT FACTORS FOR COLUMBIA COLLEGE OBSERVATORY. By J. T. Monell and C. R. Mann. Sch. Mines Quart., vol. 13, p. 154. 16 pages.

TABLES FOR THE REDUCTION OF TRANSIT OBSERVATIONS BY THE METHOD OF LEAST SQUARES. By H. Jacoby. Sch. Mines Quart., vol. 13, p. 169. 6 pages.

THE TRANSMISSION OF ERRORS IN TRAVERSE-SURVEYING. By G. R. Thompson. T. I. M. E., vol. 26, p. 75. 13 pages. I.

THE CONNECTION OF UNDERGROUND AND SURFACE SURVEYS. By G. R. Thompson. T. I. M. E., vol. 27, p. 519. 17 pages. I.

THE REAL ERROR OF A SURVEY. By J. Barrell. M. & M., vol. 20, p. 299. 4½ columns. I.

NEW LOGARITHM TABLES FOR TOPOGRAPHY. By B. S. Layman. E. & M. J., vol. 40, p. 433. 6 columns.

SURVEYING AND MAPPING OF FLAT COAL MINES. By C. H. Thompson. E. & M. J., vol. 78, p. 303. 4 columns.

RAPID SECTION-WORK IN HORIZONTAL ROCKS. By M. R. Campbell. T. A. I. M. E., vol. 26, p. 298.

THE UNDERLAY-TABLE: Surveying. By S. J. Pollitzer. T. I. M. E., vol. 25, p. 24. 12 pages. I.

AZIMUTH SURVEY IN MINE WORK. M. & M., Jan., 1902, p. 284.

THE MODE OF OBTAINING A TRUE NORTH LINE. By A. L. Steavenson. T. F. I. M. E., vol. 10, p. 53, 10 pages, I.; vol. 21, p. 28, 6 pages.

DETERMINE A MERIDIAN FROM THE POSITION OF THE NORTH STAR. M. & M., Dec., 1901, p. 232.

THE MERIDIAN OF A SURVEY. M. & M., vol. 21, p. 233. 3 columns. I.

CLOSING A SURVEY. M. & M., May, 1902, p. 476.

MINE SURVEYING: Methods of Keeping Notes; Making and Marking of Stations. By A. R. Long. M. & M., vol. 27, p. 328. 3 columns.

SURVEY STATIONS WHERE THE ROOF IS POOR. By C. M. Henretta. M. & M., vol. 19, p. 247. ½ column. I.

MARKING ROOF STATIONS IN MINE SURVEYING. By W. W. Core. M. & M., vol. 21, p. 237. ½ column. I.

A DURABLE MINE SURVEY STATION. By E. R. Richards. M. & M., vol. 27, p. 555. 1 column. I.

H. & B. SUNFLOWER TUNNEL CROSS-SECTIONER. T. A. I. M. E., vol. 31, p. 100.

ACCURACY OF SURVEY IN SIMPLON TUNNEL. E. & M. J., vol. 81, p. 572. Note.

METHODS OF DETERMINING THE CENTER LINE AND FORMS AND DIMENSIONS OF CROSS-SECTION. Tunneling. By C. Prelini.

Shaft-Plumbing

GRAVITATIONAL OR MECHANICAL (Shaft) PLUMBING. T. I. M. E., vol. 28, p. 655. 18 pages. I.

DIFFICULTIES OF SURVEYING DEEP SHAFTS. E. & M. J., vol. 83, p. 323. 1½ columns.

A New Method of Shaft Connection (Surveying). By H. Briggs. E. & M. J., vol. 84, p. 488. 4½ columns. I.

A Quick Vertical-Shaft Survey. By W. E. Downs. Min. & Sci. Press, vol. 93, p. 234. 1¾ columns.

Andersen's Method of Passing a Survey Line Down a Shaft. Min. & Sci. Press, vol. 92, p. 69. 1 column. I.

An Accurate Mine Survey: Projecting a 2 Foot 7 Inch Line down a 900 Foot Vertical Shaft. Min. & Sci. Press, vol. 39, p. 312. ¾ column.

Establishing a Meridian Line Underground by Means of Two Plumb-lines. M. & M., vol. 20, p. 457. ½ column. I.

Device for Suspending Wire in Shaft Plumbing. M. & M., vol. 20, p. 266. ⅓ column. I.

Surveys in Inclined Shafts. By J. Barrell. M. & M., vol. 20, p. 420. 3½ columns. I.

Description of a Survey Transfer Underground at Reynoldsville, Pennsylvania. Coll. Engr. & Met. Miner, vol. 14, p. 150. I.

A New Method of Measuring the Depths of Shafts. E. & M. J., vol. 36, p. 265. ½ column.

A Method of Carrying a Survey Line Down Shafts. By L. F. J. Winkle. E. & M. J., vol. 55, p. 81, 1½ columns, I.; p. 179, 1½ columns, I.

Carrying the Surface Meridian Down a Vertical Shaft. By G. C. McFarlan. E. & M. J., vol. 75, p. 749. 1¾ columns. I.

Shaft Surveying. By T. L. Carter. E. & M. J., vol. 74, p. 478. 4 columns. I.

Daylight Observation of Polaris to Establish a Meridian. By W. O. Owens. E. & M. J., vol. 75, p. 84. 3 columns.

A Plumbing Method for Steep Shafts. By R. G. Brown. Sch. Mines Quart., vol. 16, p. 146. 3 pages. I.

Underground Surveys and Their Connection with the Surface by the Transit Method. By E. H. Liveing. T. I. M. E., vol. 18, p. 65. 8 pages. I.

The Connection of Underground with Surface Surveys. By G. R. Thompson. T. I. M. E., vol. 22, p. 518, 18 pages, I.; p. 536, 20 pages.

Plumbing Shafts: A Reliable and Simple Method of Carrying a Meridian into a Mine. By G. B. Hadesty. Coll. Engr. & Met. Miner, vol. 17, p. 23. 2 columns. I.

Veith's Method of Shaft Plumbing. M. & M., vol. 19, p. 131. Note.

A Method of Carrying the Surface Meridian Underground. E. & M. J., vol. 68, p. 334. ¾ column. I.

Connecting Surface and Underground Surveys through Shafts. E. & M. J., vol. 64, p. 491. ½ column.

Carrying Surface Meridians Underground. E. & M. J., vol. 68, p. 573. 1 column. I.

Shaft-Plumbing. T. A. I. M. E., vol. 7, p. 145.

Method of Plumbing Shafts. By A. Neustaedter. T. A. I. M. E., vol. 21, p. 792.

Shaft Surveying in the Brown Hematite Mines of Northampton County, Pennsylvania. By E. Clark. T. A. I. M. E., vol. 7, p. 139.

Plumbing Deep Shafts of the Tamarack Mine: The Methods Employed and an Account of Some Interesting Phenomena Observed. By H. M. Lane. M. & M., Jan., 1902, p. 247. 3 columns. I.

Method of Connecting a Survey in a Shaft Mine with that of Property Lines and Topographical Features on the Surface. By H. L. Auchmuty. M. & M., June, 1901, p. 484. 5½ columns.

Device for Suspending Wire in Shaft Plumbing. M. & M., vol. 20, p. 266. ¼ column. I.

Repairing Steel Tape. E. & M. J., vol. 77, p. 368. ¾ column. I.

Slit Arrangement for Illumination of Line-Shaft Plumbing. T. A. I. M. E., vol. 24, p. 30.

A Combined Center-Line Apparatus: Apparatus for Centering Shafts. By Wm. Foulstone. T. F. I. M. E., vol. 5, p. 364. 2½ pages. I.

Schmidt's Centering Apparatus. T. A. I. M. E., vol. 28, p. 711.

The Divergence of Long Plumb Lines at the Tamarack Mine. By F. W. McNair. E. & M. J., vol. 73, p. 578. 7½ columns. I.

Divergence of Long Plumb Lines at the Tamarack Mine. M. & M., Oct., 1902, p. 122. 2 columns.

How Bodies Fall in Deep Vertical Shafts. By F. W. McNair. Min. & Sci. Press, vol. 93, p. 56. 3 columns.

TRANSPORTATION

Portage, Packing and Fluming

Haulage by Men and Horses. P. C. M., vol. 3, p. 18. 3 pages.

Novel Method of Carrying Cable (on back of mules). Min. & Sci. Press, Aug. 7, 1897.

Packing Ore on Horseback: Cost, etc., New Caledonia. E. & M. J., vol. 76, p. 817.

Dog-Haulage, Illinois. E. & M. J., vol. 78, p. 827. Note.

Packing Salt on Camel Back in Nevada. Min. & Sci. Press, vol. 36, p. 295. Note.

The Camel on the Pacific Coast. Min. & Sci. Press, vol. 38, p. 104. ¾ column.

The Diamond Hitch: for Pack-Saddles. Min. & Sci. Press, vol. 90, p. 167. 1 column. I.

Traveling in Alaska. By J. P. Hutchings. E. & M. J., Mar. 16, 1905, p. 506. 8½ columns. I.

Amount a Burro and Mule can Pack. E. & M. J., vol. 76, p. 8. Note.

Average Load for a Camel. Gold Min. & Mill. in W. Aus., p. 448. Note.

Rawhiding in British Columbia. Min. & Sci. Press, vol. 86, p. 147. Note.

Rawhiding (Description of Process). Min. & Sci. Press, vol. 87, p. 383. ¼ column.

Rawhiding Ores: Good Description of Process. M. & M., vol. 18, p. 508. ⅓ column.

Portage: Coolie Carrying Bakol. T. A. I. M. E., vol. 20, p. 71.

Portage in Coahuila, Mexico. T. A. I. M. E., vol. 32, pp. 121 and 132.

Portage: Largest Loads Carried on the Backs of Men. E. & M. J., vol. 78, p. 620. Note.

Portage and Carting in Japan. M. & M., vol. 18, pp. 50, 52. I.

The 300-Mile Pipe Line (Oil): Capacity, Cost, Rate, etc. Min. & Sci. Press, vol. 33, p. 142. ½ column.

Running Timber in Flumes. Min. & Sci. Press, vol. 34, p. 161. 1 column.

Fluming Ore in Alaska. Min. & Sci. Press, vol. 71, p. 26. ¾ column.

Transportation by Rail

Transportation, Historically Considered. Min. & Sci. Press, vol. 92, p. 136. 1 column.

Early Experiences in Transportation. By A. Snyder. P. E. Soc. W. Pa., vol. 18, p. 570. 3½ pages.

Relations of Railway Transportation to Mining and Metallurgy. E. & M. J., vol. 81, p. 1247. 2 columns+.

SOME OF THE RELATIONS OF RAILWAY TRANSPORTATION IN THE UNITED STATES TO MINING AND METALLURGY. By James Douglas. Sch. Mines Quart., vol. 28, p. 1. 18½ pages.

RAILROADS AND THEIR BEARING ON THE MINING DISTRICTS OF SOUTH DAKOTA. E. & M. J., vol. 50, p. 503. 1½ columns.

TRANSPORT. By Geo. Lester. T. N. S. I. M. & M. E., vol. 9, p. 341, 8 pages; vol. 10, p. 23, 4 pages; p. 54, 3 pages.

SOME DETAILS OF RAPID TRANSIT. By W. B. Parsons. Columbia Engineer, 1897–1898, p. 11. 12 pages.

THE TRANSPORT OF MINERALS. By C. de N. Forman. Engineering, London, vol. 67, p. 827. 1¼ columns.

THE COMPETITION BETWEEN RAILROADS AND WATER LINES. E. & M. J., vol. 32, p. 350. 1 column.

RAILROADS AND THEIR RELATION TO THE COAL TRADE. By C. Edwards. T. F. I. M. E., vol. 13, p. 107. 10 pages.

RAILROAD (Tariffs) ZONE SYSTEMS. E. & M. J., vol. 52, p. 183. 1 column.

TRANSPORT BY RAIL AND ROAD. Machinery for Metalliferous Mines, pp. 534, 555.

PITTSBURGH: Her Waterways and Her Railways. By A. Snyder. P. E. Soc. W. Pa., vol. 19, p. 14. 46 pages.

DEVELOPMENT OF TRANS-ATLANTIC TRANSPORTATION. Min. & Sci. Press, vol. 93, p. 16. Note.

THE INTER-CONTINENTAL RAILROAD. By C. F. Parraga. Sch. Mines Quart., vol. 13, p. 1. 14 pages. I.

THE RAILROADS OF THE UNITED STATES. E. & M. J., vol. 60, p. 6. ¾ column.

THE "DEEPWATER-TIDEWATER" RAILROADS. By G. W. Harris. E. & M. J., vol. 80, p. 826. 3 columns. Map.

AMERICAN TRANSCONTINENTAL LINES. By James Douglas. T. A. I. M. E., vol. 29, pp. 782, 1047.

TRADE AND TRANSPORT OF THE ORIENT. Min. & Sci. Press, vol. 9, p. 100. 1 column.

TRANSPORTATION IN COLORADO. Min. & Sci. Press, vol. 91, p. 240. 2 columns. I.

MINING AND TRANSPORTATION: Some of the Methods Practiced in British Columbia and the Conditions of Geography and Climate which Necessitate Them. By W. M. Brewer. M. & M., vol. 18, p. 507. 3 columns. I.

TRANSPORTATION IN CHINA. E. & M. J., vol. 80, p. 731. 2 columns.

TRANSPORTING COAL IN CHINA. E. & M. J., vol. 66, pp. 365, 367.

THE RAILWAY SYSTEM OF THE DOMINION COAL COMPANY, LIMITED. By H. Donkin. J. M. Soc. N. S., vol. 3, p. 104. 4 pages.

COAL-TRANSFER OF THE MOUNT CARBON COMPANY, LIMITED. By W. N. Page. T. A. I. M. E., vol. 17, p. 454.

ROUTES TO THUNDER MOUNTAIN. M. & M., July, 1902, p. 550. ½ column.

THE COLORADO SPRINGS AND CRIPPLE CREEK DISTRICT RAILROAD. By W. C. Edwards. E. & M. J., vol. 71, p. 49. 1 column. I.

ENGLISH AND AMERICAN RAILROADS COMPARED. E. & M. J., vol. 42, p. 37, 4 columns, table; p. 218, 1 column.

GARESFIELD RAILROAD AND INCLINE. By J. R. Gilchrist. T. I. M. E., vol. 24, p. 572. 12 pages. I.

INCLINED RAILROAD SYSTEMS OF THE WORLD. By Theo. C. Ives. Eng. Mag., vol. 7, p. 163.

THE INCLINED RAILROAD AT LOOKOUT MOUNTAIN. By W. H. Adams. T. A. I. M. E., vol. 16, p. 203.

THE HUNT SYSTEM OF NARROW-GAUGE RAILROADS. E. & M. J., July 6, 1895, p. 9. 1 column. I.

HUNT'S COAL AND ORE RAILROAD. E. & M. J., vol. 14, p. 81. 3 columns. I.

LIGHT RAILWAYS. By L. S. Robinson. T. F. I. M. E., vol. 13, p. 445. 21 pages.

NOTES ON THE OPERATION OF A LIGHT MINERAL RAILROAD. By J. Douglas. T. A. I. M. E., vol. 28, p. 600.

NARROW GAUGE RAILROADS. Min. & Sci. Press, vol. 41, p. 6. 3½ columns.

SHIPMENT OF COAL. By H. Richardson. T. I. M. E., vol. 15, p. 74. 1 page. I.

COAL TRANSPORTATION. E. & M. J., vol. 68, p. 253. Note.

THE ADVANTAGES OF SHIPPING ORES. Min. & Sci. Press, vol. 23, p. 409. 1½ columns.

IRON-ORE: From Mine to Furnace. By W. Fawcett. E. & M. J., vol. 69, p. 77, 2½ columns, I.; p. 107, I.

TRANSPORTATION OF THE ORES OF THE MESABI IRON RANGE. E. & M. J., Mar. 23, 1905, p. 557.

THE NEW RAILROAD FOR THE WEST COAST OF MEXICO. By E. A. H. Tays. E. & M. J., vol. 81, p. 661. 6 columns. Map.

MEXICAN RAILROADS AND THE MINING INDUSTRY. By Luis Salazar. T. A. I. M. E., vol. 32, p. 303.

THE MEXICAN RAILROAD SYSTEM. By V. M. Braschi and E. Ordoñez. T. A. I. M. E., vol. 32, p. 259.

Capacity of Cars, Gauge, etc.

RATIO OF RAILROAD CARS LOADED TO EMPTY, OR LOAD TO FULL WEIGHT. Min. & Sci. Press, vol. 82, p. 292. Note.

CAPACITY OF FREIGHT CARS OF DIFFERENT COUNTRIES. M. & M., vol. 20, p. 370. ⅓ column.

THE LARGEST CAR (Railroad). E. & M. J., vol. 76, p. 17. Note.

BROAD- AND NARROW-GAUGE RAILROADS. Min. & Sci. Press, vol. 25, p. 162, 1¾ columns; p. 184, 1¾ columns.

RAILROAD RESISTANCES. By P. H. Dudley. T. A. I. M. E., vol. 4, p. 232.

DIFFERENT TYPES OF CROSS-TIES (Metal). E. & M. J., vol. 46, p. 546. 4½ columns. I.

STEEL CROSS-TIES FOR THE NEW YORK ("L") ROADS. E. & M. J., vol. 47, p. 210. 1¼ columns.

SHOCKS ON RAILROAD BRIDGES. By J. W. Cloud. T. A. I. M. E., vol. 9, p. 375.

Rails, Rail-Sections, etc.

SELECTED BIBLIOGRAPHY ON RAILS, 1870–1906. T. A. I. M. E., vol. 37, p. 617. 11½ pages.

A SYSTEM OF RAIL-SECTIONS IN SERIES. By P. H. Dudley. T. A. I. M. E., vol. 18, p. 763.

ENDURANCE OF IRON RAILS. By W. E. C. Coxe. T. A. I. M. E., vol. 5, p. 107.

PROPOSED RAIL-SECTIONS. By R. W. Hunt. T. A. I. M. E., vol. 17, p. 778.

ROLLING STEEL RAILS. E. & M. J., vol. 48, p. 472. 2 columns. I.

WEAR OF STEEL RAILS. E. & M. J., vol. 38, p. 269. ½ column.

CAUSE OF BREAKAGE OF AMERICAN RAILS (Railroad). E. & M. J., vol. 79, p. 1048. Note.

WHY IRON RAILS IN USE DON'T RUST. E. & M. J., vol. 49, p. 709. ½ column.

STRENGTH OF RAILS. E. & M. J., vol. 19, p. 347. Note.

STANDARD STEEL RAIL SECTIONS. E. & M. J., vol. 51, p. 319. ½ column.

A NEW 100-POUND RAIL SECTION. E. & M. J., vol. 55, p. 491. ½ column. I.

RAIL SECTIONS. E. & M. J., vol. 43, p. 309, 6 columns; p. 329, 2 columns; p. 347, 3½ columns.

DISCUSSION ON STEEL RAILS. By A. Welch and others. T. A. I M. E., vol. 9, pp. 529–588.

NOTE ON THE WEAR OF AN IRON RAIL. By W. E. C. Coxe. T. A. I. M. E., vol. 8, p. 62.

The Wearing Capacity of Steel Rails in Relation to their Chemical Compositions and Physical Properties. By C. B. Dudley. T. A. I. M. E., vol. 9, p. 321.

On Rail Patterns. By A. L. Holley. T. A. I. M. E., vol. 9, p. 360.

Rail Specifications and Rail Inspection in Europe. By C. P. Sandberg. T. A. I. M. E., vol. 9, p. 193.
E. & M. J., vol. 66, p. 640.

Steel Rails and Specifications for their Manufacture. By R. W. Hunt. T. A. I. M. E., vol. 17, p. 226.

Rail-Sections. By F. A. Delano. T. A. I. M. E., vol. 17, p. 421.

Rail-Sections. By W. F. Mattes. T. A. I. M. E., vol. 15, p. 776.

The Strength of Rails. By Thomas Andrews. Engineering, London, vol. 74, p. 653, 4½ columns, I.; p. 684, 1 column; p. 687, 9 columns, I.; p. 724, 8½ columns, I.

The Maintenance of Track. By T. J. Brereton. Sch. Mines Quart., vol. 11, p. 23. 5 pages.

The Wear of Iron and Steel Rails. E. & M. J., vol. 41, p. 374, 2¼ columns; p. 388, 2 columns.

Bad Rails. E. & M. J., vol. 41, p. 390. 1⅔ columns.

Experiments Made with Steel Rails in Russia. E. & M. J., vol. 41, p. 412. 2⅔ columns.

Bad Rail Question. E. & M. J., vol. 41, p. 424. 3 columns.

Increase in Weight of Railroad Rails. E. & M. J., vol. 77, p. 591. Note.

Rail Joints. Min. & Sci. Press, vol. 94, p. 660. ⅞ column.

Origin of Railroad Gauges. Min. & Sci. Press, vol. 32, p. 183. ¼ column.

How to Build Wooden Rails for Steam Roads. Min. & Sci. Press, vol. 36, p. 310. ¾ column.

Railroad Gauges of the World. E. & M. J., vol. 47, p. 15. ½ column.

Wagon Roads, Wagons and Traction Engines

Report of Committee on Roads. P. E. Soc. W. Pa., vol. 13, p. 364, 20 pages, I.; p. 431, 14 pages, I.; p. 530, 8 pages, I.; vol. 14, p. 28, 9 pages.

The Advantages of Good Roads and How to Get Them. P. E. Soc. W. Pa., vol. 12, p. 111. 18 pages.

Preliminary Report on the Geology of the Common Roads of the United States. By N. S. Shaler. U. S. G. S., 15th, Ann. Rept., pp. 259–306. 1895.

Notes on Road Resistance. By C. H. Hudson. J. W. Soc. E., vol. 11, p. 660. 25½ pages. I.

The Resistance of Carriages on Roads (Formula). E. & M. J., vol. 53, p. 452.

The Laboratory for the Testing of Road Materials at Columbia University. By A. Black. Sch. Mines Quart., vol. 26, p. 83. 28 pages. I.

Road Locomotion. By H. S. Hele-Shaw. Engineering, London, vol. 69, p. 597, 9 columns, I.; p. 630, 6 columns, I.; p. 663, 9½ columns, I.

Country Road Construction. P. E. Soc. W. Pa., vol. 21, p. 508. 12 pages.

Good Roads for Mines: Their Influence on the Cost of Wagon Haulage; Points to Be Considered in Their Construction. By James W. Abbott. M. & M., Jan., 1904, p. 262.

Street Pavements in Chicago. By C. D. Hill. J. W. Soc. E., vol. 1, p. 492. 17 pages.

Parks and Roads. By J. F. Foster. J. W. Soc. E., vol. 1, p. 633. 16 pages.

Broken Stone Roads. By R. Ryves. Engineering, London, vol. 79, p. 76, 3 columns; p. 203, 4 columns.

A New Road Covering: Tarred Gravel. Eng.-Cont., vol. 27, p. 59. ½ column.

Constructing a Road through a Marsh. Eng.-Cont., vol. 27, p. 71. ⅔ column.

Road Grades. By C. H. Fitch. Min. & Sci. Press, vol. 85, p. 129. 1½ columns.

Some Considerations about Roads (Mining and Otherwise): Direction; Grades; Surface; Rolling. Min. & Sci. Press, vol. 76, p. 32. 1¾ columns.

Method of Making Good Road for Heavy Loads in Sandy Soil. Min. & Sci. Press, vol. 80, p. 8. ½ column.

Mountain Roads. By J. W. Abbott. Min. & Sci. Press, vol. 83, p. 229, 3 columns; p. 245, 2⅓ columns, I.; p. 257, 2⅓ columns.

Methods and Cost of Reducing Dust and Hardening Roads by Surface Applications. By J. W. Howard. Eng.-Cont., vol. 27, p. 143. 9 columns.

How to Build Good Roads. Min. & Sci. Press, vol. 67, p. 230, 2 columns; p. 246, 1⅔ columns.

Roadbed Construction in the Mountains. Min. & Sci. Press, vol. 62, p. 40. 4 columns. I.

Loss in Transporting Ore. Min. & Sci. Press, vol. 35, p. 97. ½ column.

Salting Roads. E. & M. J., vol. 9, p. 73. ⅔ column.

Roads of the New York Central Park. By W. H. Grant. E. & M. J., vol. 9, pp. 81, 86, 104.

Mountain Transportation of Heavy Stamp Mill. E. & M. J., vol. 61, p. 184. 1 column. I.

Road Building in the Far North. E. & M. J., vol. 78, p. 869. 5½ columns. I.

The Construction and Repair of Roads. E. & M. J., vol. 47, p. 322. ½ column.

Use of Mineral Oil in Road Improvement. By J. W. Abbott. E. & M. J., vol. 76, p. 278. 2½ columns.

Road Building in the Far North. By C. W. Purington E. & M. J., vol. 78, p. 828. 4½ columns.

A Plea for Better Roads. By J. W. Abbott. E. & M. J., vol. 78, p. 474. 2 columns.

On Proposed Improvements for Common Roads. By S. D. Tillman. E. & M. J., vol. 10, p. 162. 2 columns.

What a Wagon Road Ought to Be. By G. M. Ford. E. & M. J., vol. 53, p. 426. 1 column.

The Construction and Maintenance of Highways. E. & M. J., vol. 53, p. 452. 2 columns.

Good Roads. E. & M. J., vol. 53, p. 453. 1 column.

Improvement of our Country's Highways. E. & M. J., vol. 53, p. 470. ⅔ column.

Roads for Mines. By J. S. Abbott. E. & M. J., vol. 75, p. 743, 5¾ columns, I.; p. 779, 4 columns, I.

Roads for Mining Purposes. Introduction; Main Principles of Road Construction; Choice of Possible Routes; Selection and Survey of Best Route; Road Gradients; Curves; Width and Section; Drainage; Foundations; Roadways; Material; Embankments; Cuttings, etc.; Costs; Difficulty of Road Making. By C. C. Longridge. Engineering, London, vol. 70, p. 41. 5 columns. I.

Average Load for 4-Horse Team on 12 per cent Grade in San Juan Mountains. E. & M. J., vol. 76, p. 82. Note.

An Automobile Ore Wagon. E. & M. J., vol. 68, p. 793. 1 column. I.

Trailing in British Columbia. M. & M., Dec., 1904, p. 247.

Transportation by Wagon. E. & M. J., vol. 76, p. 769.

Transportation by Wagon, etc. E. & M. J., vol. 76, pp. 307, 308. I.

The Best Method of Arranging Load and Draft in Hauling on Farm Roads. Min. & Sci. Press. vol. 68, p. 183. 1⅓ columns.

Width of Tire Necessary for Given Capacity of Wagon. Min. & Sci. Press, vol. 77, p. 230. Table.

Traction-Engine Haulage in Idaho. By R. N. Bell. E. & M. J., vol. 83, p. 754. 2 columns. I.

Road Locomotives (Traction-Engines). By J. McLaren. T. F. I. M. E., vol. 11, p. 279. 18 pages. I.

Traction Engines for Transportation of Ores. By G. P. Grimsley. E. & M. J., vol. 71, p. 666. 2⅙ columns. I.

Canal Transportation

Engineering Notes on Irrigation Canals. By W. Newbrough. Sch. Mines Quart., vol. 15, p. 189. 26 pages. I.

Canals. By L. B. Wells and J. A. Saner. T. F. I. M. E., vol. 8, p. 443, 24 pages; p. 467, 32 pages.

Irrigating and Other Canals. Min. & Sci. Press, vol. 30, p. 134. 3¼ columns.

Improved Waterways Necessary for Commercial Outlet. By W. B. Rodgers. P. E. Soc. W. Pa., vol. 19, p. 61. 5½ pages.

Steel Barges. By R. J. Donovan. P. E. Soc. W. Pa., vol. 21, p. 520. 16 pages. I.

Improved (Cargo) Coal Barges. E. & M. J., vol. 13, p. 385. 1 column. I.

Waste in Coal Cargoes. M. & M., Aug., 1901, p. 6. ½ column.

Inclined Plane and Water Carriage System at the Bertha Zinc Mines, Virginia. T. A. I. M. E., vol. 22, pp. 522, 535.

Improved Canal Facilities between Lake Erie and New York City. By W. H. Burr. Columbia Engineer, 1897–1898, p. 138. 8 pages.

New York's Canals. Engineering, London, vol. 71, p. 366. 2 columns.

The Maryland-Delaware Ship Canal. By J. C. Ransom. E. & M. J., vol. 57, p. 511. 1½ columns.

Chicago Drainage Canal. Engineering, London, vol. 63, p. 1, 8¾ columns, I.; p. 41, 4 columns; p. 96, 7 columns; p. 132, 8 columns; p. 163, 8 columns; p. 205, 1¼ columns; p. 235, 5 columns; p. 272, 3½ columns; p. 299, 3⅔ columns; p. 366, 2 columns, I.; p. 433, 2 columns; p. 504, 1 column; p. 569, 3 columns; p. 636, 2 columns; p. 668, 3 columns; p. 752, 3 columns; p. 770, 2⅓ columns; p. 848, 1 column.

Size of Chicago Drainage Canal Compared with Other Works of Its Class. Engineering, London, vol. 63, p. 1. Table.

Data on the Extension of Chicago Drainage Canal. M. & M., vol. 25, p. 361. ½ column.

The Chicago Main Drainage Channel. By J. F. Lewis. J. C. M. I., vol. 3, p. 30. 8 pages.

The Chicago Drainage Canal. E. & M. J., vol. 60, p. 373, ¼ column; vol. 61, p. 520, 1 column, I.

Engineering Features of the Nicaragua Canal Problem. By F. Crowell. Columbia Engineer, 1897–1898, p. 52. 10 pages. I.

The Nicaragua Canal. E. & M. J., vol. 47, p. 181, note. vol. 49, p. 417, ½ column; vol. 51, p. 84, 1 column; vol. 55, p. 76, 1½ columns.

The Nicaragua Canal. E. & M. J., vol. 46, p. 145, ½ column; p. 256, ¾ column; vol. 47, p. 414, 2 columns, I.

The Panama Canal (as planned by M. De Lesseps). Min. & Sci. Press, vol. 43, p. 181. 4½ columns. I. Map.

Collapse of the Panama Canal Scheme. E. & M. J., vol. 46, p. 519. 1 column.

The Panama Canal Fiasco. E. & M. J., vol. 45, p. 139. 1⅓ columns.

The Panama Canal. Engineering, London, vol. 75, p. 150, 1 column; vol. 74, p. 3, 2¾ columns; vol. 71, p. 132, 3⅔ columns; vol. 69, p. 119, 1 column; vol. 67, p. 200, 4 columns.

The Fate of Panama Canal. Engineering, London, vol. 46, p. 432. 1½ columns.

Panama Canal. E. & M. J., vol. 55, p. 203, ⅓ column; vol. 43, p. 415, ½ column; vol. 42, p. 204, 1½ columns.

Panama Canal Situation. E. & M. J., vol. 47, p. 133. ½ column.

Completion of the "Soo" Canal. E. & M. J., vol. 74, p. 310. 1½ columns.

"Soo" Traffic. E. & M. J., vol. 78, p. 268; p. 476; p. 635; vol. 81, p. 911.

Sault Ste. Marie Canal Traffic. E. & M. J., vol. 60, p. 255; vol. 62, p. 294; vol. 66, pp. 370, 724; vol. 68, p. 214; vol. 72, p. 723; vol. 73, p. 21; vol. 74, pp. 680, 1901; vol. 75, p. 935.

The Suez Canal. Min. & Sci. Press, vol. 93, p. 358. Note.

The Suez Canal. Engineering, London, vol. 69, p. 332. 1 column.
E. & M. J., vol. 79, p. 1248, note; vol. 51, p. 579, note; p. 743, note.

Suez Canal Traffic. E. & M. J., vol. 61, p. 275. Note.

The Semi-Centennial of the Sault Ste. Marie Canal (Historical). E. & M. J., vol. 80, p. 259. 2½ columns.

Suez Canal Traffic (Growth). E. & M. J., vol. 47, p. 368, ½ column; vol. 5, p. 209, 1 column.

The Baltic and North Sea Canal. E. & M. J., vol. 59, p. 220. ½ column.

The Waterways of Russia. By C. H. Moberly. Engineering, London, vol. 67; p. 99, 4 columns; vol. 68, p. 33, 4⅔ columns, I.; p. 257, 4 columns; p. 550, 5 columns; p. 619, 3 columns; p. 620; vol. 69, p. 73, 6 columns, I.; p. 275, 4½ columns, I.; p. 341, 2 columns, I.; p. 170, 10 columns, I.; p. 267, 6½ columns, I.; p. 371, 11½ columns, I.; p. 638, 6 columns, I.; p. 727, 7 columns, I.

The Manchester Ship Canal. E. & M. J., vol. 57, p. 11. Note.

The Proposed Canal Outlet for the Birmingham District. By W. M. Brewer. E. & M. J., vol. 64, p. 515. 1 column. I.

Coal-Shipping Plant at Wallsend Colliery. By J. M. Moncrieff. T. I. M. E., vol. 15, p. 75. 2 pages.

Lake Transportation

Early History of Steam Navigation. E. & M. J., vol. 51, p. 289. 3 columns.

The New Era in Lake Shipping. By W. Fawcett. E. & M. J., vol. 69, p. 467. 3¼ columns. I.

Cable Towage of Boats: Annales des Ponts et Chaussées. Part 2, 1897 Comptes Rendus, Jan. 10, 1898.

Portage Lake Ship Canal. E. & M. J., vol. 75, p. 365. Note.

Ore Carrying on the Great Lakes. E. & M. J., vol. 80, p. 547. 1⅓ columns.

Lake Ore Movement. E. & M. J., vol. 79, p. 961, 1 column; vol. 77, p. 205, 1½ columns; p. 838, 1 column.

The Movement of Iron Ore on the Great Lakes. By A. J. Mason. J. W. Soc. E., vol. 9, p. 107. 14 pages. I.

Modern Handling of Iron Ore on the Great Lakes. By J. N. Hatch. J. W. Soc. E., vol. 7, p. 529. 32 pages. I.

Lake Shipments and Handling Lake Coal. By G. E. Tener. P. E. Soc. W. Pa., vol. 10, p. 184. 4 pages.

The Transportation of Iron Ore. By E. B. Taylor. P. E. Soc. W. Pa., vol. 14, p. 210. 26 pages. I.

The Latest Lake Ore-Carriers. E. & M. J., Feb. 23, 1905, p. 396. 1⅔ columns.

Whalebacks for Coasting Coal-Trade. E. & M. J., Feb. 9, 1905, p. 300.

The Largest Lake Steamer. E & M. J., vol. 69, p. 173, ⅞ column, I.; vol. 75, p. 895, note; vol. 76, p. 393, note; p. 390, note.

A Lake Ore-Carrier. E. & M. J., vol. 79, p. 778. 1½ columns.

Lake Traffic. E. & M. J., vol. 76, p. 960. 1½ columns.

New Ore-Carrying Vessels. By W. Fawcett. E. & M. J., vol. 73, p. 21, 5 columns, I.; vol. 75, p. 895, note.

A New Style of Ore-Carrying Vessels. E. & M. J., vol. 46, p. 255. ½ column.

Lake Ore-Carriers: A Tendency toward Big Vessels. E. & M. J., vol. 75, p. 662, note; p. 895, note; vol. 79, p. 1142, note.

The Great Lakes Ore Carrying Vessels. E. & M. J., vol. 45, p. 473. Note.

A Large Ore-Carrier. E. & M. J., vol. 81, p. 1106. ¼ column.

Capacity of the "J. P. Morgan" Steamer on Lakes. E. & M. J., vol. 81, p. 1197. Note.

Ocean Transportation

Lake and Atlantic Waterways. J. W. Soc. E., vol. 1, p. 52. 2½ pages.

The History of Ship Transportation (Hauling Ships). E. & M. J., vol. 54, p. 626. 1 column.

An English Ore-Carrier. E. & M. J., vol. 75, p. 851. ¼ column.

Ocean Transportation of Coal: A Comparison of the Cost of Coal and Rates for Freight between Cardiff and Marseilles, and Baltimore and Marseilles. By Robt. P. Skinner. M. & M., May, 1902, p. 461. 2½ columns.

Cableways: Their Construction and Use

Wire-Rope Tramway at Grand Encampment, Wyoming, 16 Miles Long: Built by the A. Leschen & Sons Rope Company. M. & M., Apr., 1904, p. 452. 4 columns, I.

Aerial Railroad in Columbia Consular Reports, Jan., 1898. By B. C. Riblet. Can. Min. Rev., Sept., 1899.

Aerial Tramways at Bingham, Utah. M. & M., vol. 28, p. 106. 1½ columns.

Origin of Rope Tramways. Min. & Sci. Press, vol. 93, p. 92. ½ column.

Installations of Wire-Rope Tramways of the Running or Endless Rope Systems. Aerial or Wire-Rope Tramways, p. 98. 32 pages. I.

Installations of Wire-Rope Tramways of the Fixed Carrying Rope Systems. Aerial or Wire-Rope Tramways, p. 130. 51 pages. I.

Different Systems of Aerial or Wire-Rope Tramways. Aerial or Wire-Rope Tramways, p. 6. 6 pages.

Detailed Construction of Above. Aerial or Wire-Rope Tramways, p. 18. 48½ pages. I.

The Finlayson Wire Rope Tramway at the Noble Five Mine, Sandon, British Columbia. Min. & Sci. Press, vol. 74, p. 544. 5 columns. I.

Aerial Tramways. By S. De Zomboria. Min. & Sci. Press, vol. 87, p. 200. 2½ columns.

Wire Tramway in Chile. Min. & Sci. Press, vol. 37, p. 103. ⅞ column.

Huson's Wire-Rope Tramway for Mines: As Employed at Pay-Rock Mine, Silver Plume, Colorado. Min. & Sci. Press, vol. 54, p. 1. 3¼ columns. I.

The Length of Rope Needed between Supports, Involving the Catenary Curve. Min. & Sci. Press, vol. 39, p. 118. I. Formulæ.

Ancient Rope Tramway. Min. & Sci. Press, vol. 28, p. 65. ⅞ column. I.

Hodgson's Wire Tramway. Min. & Sci. Press, vol. 21, p. 185. 1 column. I.

Improvements in Teledynamic Transmission. By Prof. Reuleaux. E. & M.J., vol. 41, p.461. 1½ columns.

Rope Tramways. By S. De Zomboria. E. & M. J., vol. 76, p. 513, 1½ columns; p. 514, 1½ columns; p. 705, 3 columns.

The Aerial Tramways at the Silver Cup Mine. By G. Attwood. E. & M. J., vol. 80, p. 823. 4½ columns. I.

On New Features in Teledynamic Transmitters. By Prof. Reuleaux. Sch. Mines Quart., vol. 8, p. 93, 24 pages, I.; p. 220, 16 pages, I.

Shipping Coal by the Aerial Wire Rope System at Port Morien, Cape Breton. By J. G. S. Hudson. J. C. M. I., vol. 4, p. 131. 4 pages. I.

The Watts-Collier Rope-Haulage Clip. Engineering, London, vol. 64, p. 601. ⅓ column. I.

Wire Rope Tramway at English Mountain Mines, Colorado. E. & M. J., vol. 59, p. 55. ½ column. I.

Wire Rope Tramway at the Bunker Hill and Sullivan Mines, Idaho. E. & M. J., vol. 61, p. 377. 1⅞ columns. I.

An Improved Method of Disposing of Waste. E. & M. J., vol. 65, p. 403. 1 column. I.

The Tramway at El Dorado Mine, Utah. E. & M. J., vol. 71, p. 461. 1 column. I.

Aerial Tramways of Different Types: Their Peculiarities and Their Adaptability to Various Conditions. By S. De Zomboria. M. & M., Dec., 1903.

Application of Wire Rope Tramways for Purposes of Economical Transportation. By F. C. Roberts. Trenton Iron Works, 1885.

Transportation by Wire Rope Tramways. By Wm. Hewitt. Eng. Mag., Apr., 1894.

Wire-Rope Tramways: Different Styles of Tramways; The Methods of Construction and Circumstances Suited to Tramway Transportation. By J. H. Janeway. M. & M., Apr., 1904, p. 421. 11 columns. I.

Comparative Safety of Rope Tramways with or without a Lower Cable (German). Glückauf, 1895, p. 171.

Aerial Tramways. By W. R. Shaw. Indian and Eastern Eng. (Calcutta), July 11, 1896.

Aerial and Wire Rope Tramways: Their Construction and Management. By A. J. W. Taylor. London, 1898.

Overhead Tramways: An Illustrated Description of a Rope Tramway Construction for Getting into the Gold Regions of the Yukon Basin. Chautauquan, Aug., 1898.

Aerial Tramways. M. & M., Jan., 1904, p. 271.

Aerial Tramways: The Different Types, Their Peculiarities and Their Adaptability to Various Conditions. By S. De Zomboria. M. & M., Dec., 1903, p. 209.

The Britt's Landing Cable Hoist and Quarry. By R. D. Seymour. J. W. Soc. E., vol. 2, p. 286. 14½ pages. I.

Ropeways and Aerial Cableways. The Mechanical Handling of Material, p. 158. 63 pages. I.

The "Vulcan" Wire Ropeway. Min. & Sci. Press, vol. 62, p. 177, 2 columns, I.; p. 185, 3 columns, I.

An Interesting Example of Ropeway Practice. Min. & Sci. Press, vol. 72, p. 140. 4 columns. I.

European Aerial Wire Ropeways. By C. Smith. Min. Mag., vol. 12, p. 385. 12 columns. I.

Ropeway at the New Beachy Head Lighthouse. Engineering, London, vol. 71, p. 33. 3⅔ columns. I.

Description of Various Types of Ropeways and Remarks as to Their Proper Selection. By W. Carrington. T. F. I. M. E., vol. 13, p. 91. 16 pages. I.

The Vulcan Ropeway at San Andreas, Mexico. E. & M. J., vol. 56, p. 615. ⅔ column. I.

Modern Ropeway Practice. E. & M. J., vol. 61, p. 328. ¾ column. I.

A New Mechanical Loader for Wire Ropeways and Tramways. E. & M. J., vol. 64, p. 731. 1 column.

Aerial Wire Ropeways. By J. Pohlig. T. A. I. M. E., vol. 19, p. 760.

Supports for Aerial Ropeways. T. A. I. M. E., vol. 19, pp. 762, 763, 764, 765.

Brighton Dike Aerial Ropeway. Sci. Am. Supp., Nov. 9, 1895 (No. 1036).

Various Types of Ropeways. By W. Carrington. Coll. Guard., Mar. 19, 1897.

Wire Ropeways. By W. T. H. Carrington. Cassier's Magazine, 1898.

Interesting Example of Ropeway Practice. Min. & Sci. Press, Feb. 22, 1896.

Three Systems of Wire Rope Transport. By W. T. H. Carrington. Sci. Am. Supp., Apr. 15, 1882 (No. 328).

Table Mountain Wire Ropeway. Engineering, London, Sept. 4, 1896.

Aerial Ropeways and Wire Ropes. Machinery for Metalliferous Mines, pp. 515–534.

The Cableway in Open-Cut Mining. T. F. C. M. I., vol. 3, p. 173. 16 pages. I.

American Cableways in Open-Pit Mining. By S. Miller. M. & M., vol. 18, p. 367. 1 column.

Notes on a Novel Cable-Transfer for Railroad Cars, and the Use of the Patent-Locked Wire Rope. By E. G. Spillsbury. T. A. I. M. E., vol. 20, p. 766.

Cableway, Holyoke Dam, Massachusetts. By S. Thompson. Eng. News, vol. 1, p. 295; vol. 2, p. 346.

Cableways for Unloading Vessels. By Wm. Hewitt. Cassier's Magazine, Aug., 1895.

Cableways for Handling Heavy Loads. By Wm. Hewitt. Stone, vol. 9, p. 473.

Cableway at Lock and Dam No. 2, Mississippi River Improvement. By R. D. Seymour. J. W. Soc. E., Oct., 1898.

Cableway, Plomosas Mining Company, Mexico. By B. McIntire. Eng. News, 1891, vol. 1, p. 269.

An Overland Cable Haulage Installation at the Moneau-Fontaine Collieries: The Dinnendahi System of Haulage, with Cost of Installation. Iron and Coal Trades Rev., June, 3, 1898.

Automatic Aerial Cable on Mount Jalla. Sci. Am. Supp., Nov. 28, 1885 (No. 517).

Automatic Cableway Loader, Hallidie Design. Eng. News, 1897, vol. 2, p. 412.

Cableways for Open-Pit Mining: Advantages of Horizontal Cableways and Those for the Radial Traveling Type. By Spencer Miller. M.& M., Apr.,1901, p. 411. 4½ columns. I.

Quarrying Ice in the French Alps, Casset Glacier: Illustrating and Describing Process of Cutting and Transporting by Endless Cable, the Machinery Employed, and the Cost and Capacity of the Plant. Ice and Refrigeration, Sept., 1898.

Génie Civil, Mar. 26, 1898.

Suspension Cableways: Difference between a Tramway and a Cableway; Construction and Use of Inclined and Horizontal Cableways. By A. A. Bruch. M. & M., Apr., 1904, p. 401. 8¼ columns. I.

DEFINITION OF CABLEWAYS: Lidgerwood Company. Eng. News, 1892, vol. 1, p. 356.

DOUBLE ROPE CABLEWAY SYSTEMS. Eng. News, 1893, vol. 2, p. 369.

FIRST CABLEWAY IN AMERICA, NIAGARA GORGE, 1848. By O. E. Dunlap. Eng. News, 1896, vol. 2, p. 82.

LOCKE-MILLER CABLEWAYS. Eng. News, 1893, vol. 2, pp. 139, 499.

LONGEST CABLEWAYS IN THE WORLD. Eng. News, vol. 1, pp. 227, 562.

AERIAL CABLE TRANSPORTATION. By Wm. Hewitt. Min. Reporter, Feb. 12, 19, and 26; and Mar. 12, 1903.

LONGEST AERIAL CABLEWAY IN SPAIN. M. & M., May, 1904, p. 500. Note.

A NOVEL TOWER DESIGN OF TRAVELING CABLEWAYS. Eng. News, 1896, vol. 2, p. 333.

PRIORITY OF INVENTION OF TRAVELING CABLEWAYS. Eng. News, 1895, vol. 2, p. 258.

FIRST AMERICAN CABLEWAYS. Glückauf, 1894, p. 1156.

DREDGING FOR COAL: A Description of the Method of Mining in the Mission Field, Illinois, by the Use of the Steam Shovel Cableway. M. & M., Aug., 1901, p. 5. 3 columns.

BUILDING THE TRAMWAY OVER CHILKOOT PASS. By W. A. Burkholder. Jour. of Electricity, Sept., 1898.
R. R. Gazette, Dec. 24, 1897.

ACROSS CHILKOOT PASS BY WIRE CABLE. By Wm. Hewitt. Cassier's Magazine, Apr., 1898.

SHIPPING COAL BY THE AERIAL ROPE SYSTEM AT PORT MORIEN, CAPE BRENTON. By J. G. S. Hudson. E. & M. J., vol. 71, p. 388. 1 column.

APPARATUS FOR COALING AT SEA. By Spencer Miller. Jour. of Worcester Polytechnic Inst., May, 1900.

COALING VESSELS AT SEA. By Spencer Miller. Soc. of Naval Architects and Marine Engineers, No. 1, Nov., 1899.

THE HALLIDIE WIRE ROPEWAY OVER THE CHILKOOT PASS. E. & M. J., vol. 65, p. 523. ⅓ column. I.

HALLIDIE SINGLE ROPE CABLEWAY SYSTEM. Eng. News., 1893, vol. 2, p. 368.

HALLIDIE ROPEWAY AT HALL'S MINES, NELSON, BITISH COLUMBIA: Illustrated Description of a Steel Cable Ropeway Carrying Ore 4½ Miles. Min. & Sci. Press, Feb. 1, 1896.

THE HALLIDIE COLLECTING AND TRANSPORTING SYSTEM. E. & M. J., vol. 66, p. 551. 1 column. I.

HALLIDIE'S ENDLESS WIRE ROPE TRAMWAYS. E. & M. J., vol. 14, p. 2. 1½ columns. I.

THE BLEICHERT WIRE-ROPE TRAMWAY: A Description of the Peculiarities of Its Construction and the Methods of Operating at Discharge and Tension Stations. M. & M., Apr., 1904, p. 418. 6 columns. I.

BLEICHERT WIRE ROPE TRAMWAY AT OLD HUNDRED MINE, HOWARDSVILLE, COLORADO. M. & M., vol. 27, p. 393. 1 column. I.

CARRIERS FOR THE "OTTO" AERIAL ROPEWAYS. T. A. I. M. E., vol. 19, pp. 766, 767, 768, 769.

OTTO PATENT WIRE ROPEWAY. Sci. Am. Supp., June 22, 1899 (No. 703).

OTTO CABLEWAY SYSTEM, GARRUCHA MINES, SPAIN. Eng. News, 1891, vol. 2, p. 71.

STEAM AND ELECTRIC CABLEWAYS. Eng. News, 1894, vol. 1, p. 539.

TELPHERAGE. By C. M. Clarke. Annl. Rept. of the Smithsonian Inst., 1902.

ELECTRICALLY OPERATED CABLEWAYS IN OPEN PIT MINING AT ROCKLAND AND ROCKPORT, MAINE. By F. B. Knight. M. & M., Aug., 1899.

AN ELECTRIC CABLEWAY FOR LOGGING AND CANAL BOAT TOWING. Sci. Am., Sept. 1, 1894.

THE PRESENT AND PROSPECTIVE DEVELOPMENT OF ELECTRIC TRAMWAYS. By C. J. Field. E. & M. J., vol. 59, p. 80. ⅔ column.

Mining Lime Rock by Electrically-Operated Cableways in Open-Pit Mining at Rockland and Rockport, Maine. By F. B. Knight. M. & M., vol. 20, p. 1. 8½ columns. I.

The Sprague Electric Aerial Tramway. E. & M. J., vol. 46, p. 65. 2 columns. I.

Electrically Driven Wire-Rope Tramways: Telpherage, Aerial or Wire-Rope Tramways, p. 67. 32 pages. I.

Electrically Operated Ore Loading Plants and Wire Rope Tramways. By F. C. Perkins. Min. & Sci. Press, vol. 91, p. 430. 6½ columns. I.

Construction of Curves in Rope Haulage. E. & M. J., vol. 81, p. 1102. Note.

Tramway Construction. E. & M. J., vol. 76, p. 778.

New Clips for Wire Ropeways. E. & M. J., vol. 69, p. 202. ½ column. I.

The Pohlig Universal Friction Grip. E. & M. J., vol. 69, p. 233. 1 column. I.

TUNNELING

Methods of Tunneling

A New Tunnel through the Rockies. E. & M. J., vol. 84, p. 817. 1 column.

Tunnel Driving. By M. S. Hachita. E. & M. J., vol. 84, p. 503. 2 columns.

Subaqueous Tunneling by Clay Pocket Method. Eng.-Cont., vol. 27, p. 15. ½ column.

The Shield System of Tunneling, with Tables Giving Diameters of Shields Used. Tunneling, Prelini, p. 242. 24 pages. I.

Some American Tunnels: Hoosac Tunnel, Massachusetts; Palisades Tunnel, Hudson River; Croton Aqueduct Tunnel, New York City Water Works; Strickler Tunnel, Colorado Springs, Colorado; Niagara Falls Power Tunnel; Cascade Tunnel, Washington; Graveholz Tunnel, Norway. Tunneling, Prelini, p. 124. 8 pages.

Proper Dimensions of Tunnel Sections. Tunneling, Prelini, p. 17. Table.

Excavating Tunnels through Soft Ground: Belgian Method, 12 pages, I.; Baltimore Belt Line Tunnel, 11½ pages, I.; English Method, 4 pages, I.; Austrian Method, 5 pages, I.; Italian Method, 12 pages, I.; Piltot Tube Method, 2 pages I. Tunneling, Prelini, p. 133.

The Filling Up and Cleaning Out of Modern Rivers: Formation of Alluvial Bottoms; Great Tunnel Schemes. Min. & Sci. Press, vol. 27, p. 136. 2½ columns.

Removing Muck from a Tunnel. Eng.-Cont., vol. 27, p. 117. ⅔ column.

Innovation in Tunnel Work: New Arrangement of Holes. Min. & Sci. Press, vol. 90, p. 134. 1½ columns. I.

Tunnel Construction. Min. & Sci. Press, vol. 91, p. 78. ⅔ column. I.

Railroad Tunnels: Their Construction, Maintenance and Operation. Min. & Sci. Press, vol. 83, p. 108. 4 columns. I.

Tunneling through Sand, under the River Spree, Berlin. Min. & Sci. Press, vol. 83, p. 153. ¾ column. I.

A Novel Method of Tunnel Building. Min. & Sci. Press, vol. 83, p. 256. 3 column. I.

Driving Tunnels by Hand. By J. H. Shockley. Min. & Sci. Press, vol. 84, p. 61. 1⅓ columns.

Removing Debris from Tunnels. Min. & Sci. Press, vol. 44, p. 54. ⅞ column.

A Novel Tunnel: How a Miner Drove a Tunnel in Snow for an Eastern Superintendent. Min. & Sci. Press, vol. 45, p. 406. ½ column.

A New Style of Tunnel: Supporting Tunnel Lining on Piles. Min. & Sci. Press, vol. 33, p. 302. ⅔ column.

A History of Tunneling. E. & M. J., vol. 25, pp. 40, 92, 115, 148, 167, 184, 203, 253, 254, 273, 290, 309, 346, 361, 375, 392, 407, 422, 443.

Repairing the Arch of the Musconetcong Tunnel. E. & M. J., vol. 50, p. 50. 1 column. I.

Preliminary Considerations, Choice between a Tunnel and an Open Cut: Method and Purpose of Geological Surveys. Tunneling. By C. Prelini.

Law of Deep Tunnel Railroad. Engineering, London, vol. 11, p. 18. 2 columns.

Experience with Compressed Air Tunneling. Engineering, London, vol. 66, p. 632. 4½ columns.

"Tubes" (Tunnel) Ventilation. Engineering, London, vol. 74, p. 845, 1 column; vol. 75, p. 15, ⅓ column.

Tunneling by Cross-Cut and on the Vein in Metal Mines: Its Advantages and Uncertainties. By A. Lakes. M. & M., vol. 19, p. 176. 3⅞ columns. I.

Freezing by Cold Air in Tunneling. E. & M. J., vol. 41, p. 19. Note.

Construction of Tunneling Shield for the "Waterloo and City Railroad." T. F. I. M. E., vol. 11, plate 28. I.

Driving a Tunnel in Quicksand. By R. K. Porter. M. & M., vol. 25, p. 587, note; vol. 26, p. 219, 4⅓ columns, I.

The Opening of Mines by Tunnels. By D. W. Brunton. E. & M. J., vol. 71, p. 147. 2¼ columns. I.

A New Method of Laying Submarine Tunnels and Tubes. By R. P. Rothwell. T. A. I. M. E., vol. 14, p. 770.

Tunnels and Tunnel Schemes: The Adit and the Cross-Cut; Their Advantages and Disadvantages; Circumstances where the Driving of Each is Advisable. By A. Lakes. M. & M., May, 1901, p. 443. 5 columns.

Tunnels and Tunnel Sites. By T. A. Rickard. E. & M. J., vol. 64, p. 70. 1¾ columns. I.

Tunnel Construction in Chicago: Method of Driving and Constructing so as not to Disturb the Surface. By Geo. W. Jackson. M. & M., Jan., 1903, p. 248. 7 columns.

Use of Metal Instead of Wooden Plank for Use of Muckers at Face of Tunnels. By C. J. Garvin. M. & M., Apr., 1904, p. 405. Note.

Driving Stone Drifts. P. C. M., vol. 2, p. 247. 10 pages. I.

Undersea Extensions at the Whitehaven Collieries, and the Driving of the Lady-Smith Drift. By J. Shanks. T. I. M. E., vol. 31, p. 166. 8 pages.

Data of Tunnel Work, European. Min. & Sci. Press, vol. 48, p. 306, tables; p. 322, tables; p. 338, tables.

Examples of Rapid Work in Croton Aqueduct. T. A. I. M. E., vol. 19, p. 757.

Good Shaft and Tunnel, Work. E. & M. J., vol. 72, p. 497. ¼ column.

A Tunnel Wager: Rapid Work. E. & M. J., vol. 69, p. 112. 1 column.

Heading Driving, Rate of. Engineering, London, vol. 74, p. 262. Table.

An Enlargement of a Tunnel. E. & M. J., vol. 39, p. 56. ½ column.

The Greatest Tunnel Driving Record: Croton Aqueduct. E. & M. J., vol. 44, p. 76. 2 columns. I.

Tunneling Record at DeLamar, Idaho. Min. & Sci. Press, vol. 80, p. 149. 1 column.

Rate of Excavation of Tunnels: Tunneling. C. Prelini, p. 305. 2 pages.

Rapid Tunneling. By F. Fox. T. I. M. E., vol. 26, p. 403. 24 pages. I.

Examples of Tunneling

Tunneling in Eureka District, Nevada. Min. & Sci. Press, vol. 25, p. 258. 3 columns.

The Clyde Tunnel. E. & M. J., vol. 49, p. 201. 1½ columns. I.

The Poland-Lynx Creek Tunnel, near Prescott, Arizona. E. & M. J., vol. 74, p. 622.

The Musconetcong Tunnel. By H. S. Drinker. T. A. I. M. E., vol. 3, p. 231.

North Bessemer Tunnel. By F. E. House. P. E. Soc. W. Pa., vol. 15, p. 238. 12 pages. I.

Mount Wood and Top Mill Tunnels on Eastern Approach to Ohio River Bridge. By W. J. Yoder. J. W. Soc. E., vol. 2, p. 44. 22 pages. I.

Tunnel and Crib Construction in Chicago. By P. G. Brown. J. W. Soc. E., vol. 6, p. 26. 16 pages. I.

Methods and Cost of Constructing a Tunnel through Clay by the Shield Method, Lawrence Avenue, Intercepting Sewer, Chicago, Illinois. Eng.-Cont., vol. 27, p. 51. 7½ columns. I.

The Hoosac Tunnel. E. & M. J., vol. 6, p. 210, 2½ columns; vol. 13, p. 100, ½ column.

Work at the Hoosac Tunnel. Min. & Sci. Press, vol. 16, p. 193, 3¾ columns, I.; p. 209, 3 columns, I.; p. 233, 2¼ columns.

Big Bend Tunnel. Min. & Sci. Press, vol. 48, p. 175, ½ column.

Ruby Hill Tunnel. Min. & Sci. Press, vol. 50, p. 170 ½ column.

Tunnel Work. Min. & Sci. Press, vol. 51, p. 292. ⅞ column.

The Big Bend Tunnel. Min. & Sci. Press, vol. 43, p. 230. ⅓ column.

Sutro Tunnel Levels. Min. & Sci. Press, vol. 43, p. 382, ¼ column; p. 400, 3 columns, I.; p. 417, 1¾ columns.

The Atlantic and Pacific Tunnel, Clear Creek, Colorado. Min. & Sci. Press, vol. 45, p. 241. 1 column.

Big Bend Tunnel. Min. & Sci. Press, vol. 46, p. 113. ½ column.

Rapid Tunnel Work. Min. & Sci. Press, vol. 46, p. 241. ½ column.

The Big Bend Tunnel. Min. & Sci. Press, vol. 52, p. 237. ¾ column.

A Long Tunnel Completed: Big Bend. Min. & Sci. Press, vol. 52, pp. 273, 276. 4 columns. I.

Owners of Big Bend Tunnel. Min. & Sci. Press, vol. 52, p. 322. 1 column.

The Railroad Tunnel under the St. Clair River. E. & M. J., vol. 50, p. 188, 2 columns, I.; p. 652, 2 columns, I.

Tunnels Driven in Pennsylvania Coal Mines. Rept. Inspr. Mines Pa., 1878, p. 248. Table.

On a Tunnel under Lake Superior for Supplying Water to the Adventure Stamp Mill. By P. R. Robert. T. I. M. & M., vol. 13, p. 182. 5 pages.

The Detroit Tunnel. E. & M. J., vol. 11, p. 324. ⅔ column.

The Nesqueehoming Tunnel. E. & M. J., vol. 11, p. 356. ½ column.

The Champion Mill Intake Tunnel. By F. W. O'Neil. T. L. S. M. I., vol. 9, p. 127. 14 pages. I.

Tunnels in the Cœur d'Alene Mining District. T. A. I. M. E., vol. 33, p. 250. ⅓ page.

The Standard Tunnel, Cœur d'Alene District. M. & M., vol. 20, p. 303, also p. 304. Note.

Tunnel Developments at Cœur d'Alene. By W. C. Clark. M. & M., vol. 21, p. 101. 1 column.

The Kellogg Tunnel at Bunker Hill and Sullivan Mines, Idaho: The Methods and Machinery Used in Driving It. By U. B. Hough. M. & M., Oct., 1901, p. 122.

Tunneling at French Corral, Nevada County, California. Min. & Sci. Press, vol. 30, p. 298. 1¼ columns.

Note on the Cost of Tunneling at the Melones Mine, Calaveras County, California. By W. C. Ralston. T. A. I. M. E., vol. 28, p. 547.

The Newhouse Tunnel. By G. C. Ripley, J. G. Gordon, etc. M. & M., vol. 27, p. 36, 5 columns, I.; p. 72, 5½ pages, I.

The Yak Tunnel. Min. & Sci. Press, vol. 91, p. 259. ⅔ column.

Tunnel Enterprises in Colorado. Min. & Sci. Press, vol. 74, p. 5. 1 column.

Tunneling on the Mother Lode. Min. & Sci. Press, vol. 77, p. 445. 5 columns.

Cripple Creek Tunnel Enterprises. Min. & Sci. Press, vol. 79, p. 464. 1 column.

Clear Creek County, Colorado, Tunnel Work. Min. & Sci. Press, vol. 82, p. 114. ⅔ column.

Argo or Newhouse Tunnel: The Purposes for which It is being Driven and the Method of Driving. By A. Lakes. M. & M., vol. 21, p. 31. 5½ columns. I.

The Gem Shaft Connection with the Newhouse Tunnel. M. & M., Apr., 1904, p. 427. Note.

Steel Tunnel through Portland Mine Dump, Golden Circle Railroad, Cripple Creek, Colorado. E. & M. J., vol. 66, p. 339. I.

The Adit Tunnel, Ward Camp, Colorado. E. & M. J., vol. 63, p. 540. ¾ column.

Kelly and Newhouse Tunnels: The Sources from which Such Tunnels Derive Revenues; How They are Planned and the Methods Used in Driving Them. By A. Lakes. M. & M., June, 1901, p. 508. 4¼ columns.

The Aspen Tunnel. By A. W. Clapp. E. & M. J., vol. 73, p. 519. 3¼ columns. I.

Driving the Newhouse Tunnel. By H. F. Bain. E. & M. J., vol. 73, p. 552. 6 columns. I.

The Yak Tunnel of Leadville, Colorado. M. & M., Apr., 1903, p. 401. 1 column.

Tunnels and the Present Long Island Railroad Proposition. By J. V. Davis. Columbia Eng., 1898–1899, p. 1. 24 pages. I.

The East River Gas Tunnel, New York City, and Van Buren Street Tunnel, Chicago. Tunneling, C. Prelini, p. 208. 22 pages. I.

The Milwaukee Water-Works Tunnel. Tunneling, C. Prelini, p. 230. 11½ pages. I.

Hudson River Tunnel, Caving of. Min. & Sci. Press, vol. 41, p. 56. 1 column.

The Pneumatic Tunnel under Broadway. E. & M. J., vol. 9, p. 224. 3½ columns. I.

The Hudson River Tunnel. By A. L. Walker. Sch. Mines Quart., vol. 4, p. 90. 8 pages.

The Hudson River Tunnel. Coll. Engr., vol. 10, p. 66. 1 column.

Submarine Tunneling and the Hudson River Tunnel. E. & M. J., vol. 49, p. 530. 3½ columns. I.

Notes on the Excavation of the New Croton Aqueduct. By J. P. Carson. T. A. I. M. E., vol. 19, p. 705.

English Method of Driving and Timbering Tunnel, Croton Aqueduct. T. A. I. M. E., vol. 19, p. 738.

Excavating Tunnel through Bad Ground, Croton Aqueduct. T. A. I. M. E., vol. 19, p. 732.

The Knickerbocker Avenue Sewer Outlet: A Description of the Pilot Tube Method of Tunneling. By E. Schöney. Sch. Mines Quart., vol. 9, p. 178. 8 pages. I.

The Afreton and Monchreiffe Tunnels. Engineering, London, vol. 79, p. 265. 1¾ columns.

The Josephi Secundi Tunnel. E. & M. J., vol. 82, p. 1067. ½ column.

Foreign Tunnels: Graveholz Tunnel, Norway; Sounstein Tunnel, Germany; St. Clair Tunnel, Canada. Tunneling, Prelini, p. 129. 2 pages.

The Severn Tunnel. Tunneling, Prelini, p. 204. 3¾ pages.

Joseph the Second's Adit: For Drainage and Haulage. Min. & Sci. Press, vol. 13, p. 98. Note.

The Greatest Mining Tunnel: The Rothschönberger. Min. & Sci. Press, vol. 35, p. 230. ¾ column.

The Rothschönberger Stollen. By R. W. Raymond. T. A. I. M. E., vol. 6, p. 542.

Mechanical Appliances in the Mont Cenis Tunnel. E. & M. J., vol. 12, p. 210. 2¼ columns.

The Alpine Tunnel. E. & M. J., vol. 11, p. 40. 2½ columns.

The Cochem Tunnel, Prussia. By F. Rziha. E. & M. J., vol. 25, p. 390. ½ column.

The Extensive Tunnels of the World. Min. & Sci. Press, vol. 27, p. 338. Table.

The Hoosac Tunnel. Min. & Sci. Press, vol. 27, p. 353. ½ column.

Tunnels for Developing Hydraulic Mines. Min. & Sci. Press, vol. 29, p. 409. 2 columns.

A Greek Tunnel of the Sixth Century, B. C. By A. C. Merriam. Sch. Mines Quart., vol. 6, p. 264. 12 pages. I.

The Great Jeddo (Pennsylvania) Drainage Tunnel. E. & M. J., vol. 50, p. 689. ⅓ column.

The Rotherhithe Tunnel, London. T. I. M. E., vol. 31, p. 665. 1 page.

The City and South London Railroad, with Some Remarks upon Subaqueous Tunneling by Shield and Compressed Air. By J. H. Greathead. J. W. Soc. E. vol. 1, p. 543. 14 pages. I.

The Channel Tunnel. By J. R. Haines. T. N. S. I. M. & M. E., vol. 7, p. 16. 14 pages. I.

The Longest Tunnel in England. E. & M. J., vol. 11, p. 231. ½ column.

The Burleigh Tunnel. E. & M. J., vol. 11, p. 249. 1¾ columns.

Pennsylvania Tunnels. E. & M. J., vol. 50, p. 101.

The Blackwall Tunnel: Shield Used; Iron Lining; Length, 6200 Feet. Engineering, London, vol. 63, p. 530. ⅞ column.

The Sarunda Tunnel in India. E. & M. J., vol. 55, p. 262. ½ column.

Tunneling under the Regent's Canal, London. Engineering, London, vol. 75, p. 625.

The Simplon Tunnel. Engineering, London, vol. 79, p. 254. 6 columns. I.

The Simplon Tunnel. M. & M., Feb., 1903, pp. 291, 309.
Cassier's Magazine, Jan., 1900.
E. & M. J., May 26, 1900, p. 614.
Rev. of Reviews, Mar., 1900.

Notes on the Driving of Simplon Tunnel, Swiss Alps. By L. Meyer. J. C. M. I., vol. 2, p. 137. 6 pages.

Ventilation in Simplon Tunnel by High-Speed Fans in Relay. J. C. M. I., vol. 2, p. 141.

A Visit to the Simplon Tunnel: The Works and Workmen. By T. Oliver. T. I. M. E., vol. 23, p. 200. 18 pages. I.
E. & M. J., vol. 76, p. 932 (or 952). 1⅓ columns.

The Simplon Tunnel. M. & M., vol. 20, p. 390. ½ column.

The Hoosac Tunnel. E. & M. J., vol. 9, p. 154, ⅓ column; p. 244, 4½ columns.

Mont Cenis Tunnel. E. & M. J., vol. 9, p. 344. ⅓ column.

The Simplon Tunnel. M. & M., vol. 26, p. 282. 1¾ columns. I.

The Simplon Tunnel. Tunneling, C. Prelini, p. 94. 20 pages. I.

The Simplon Tunnel. Min. & Sci. Press, vol. 90, p. 185. 3½ columns. I.

The Simplon Tunnel. Min. & Sci. Press, vol. 85, p. 327. ⅓ column.

The Simplon Tunnel. Min. & Sci. Press, vol. 91, p. 399. 2 columns. I.

St. Gothard Tunnel. Tunneling, C. Prelini, p. 116. 10 pages. I.
Min. & Sci. Press, vol. 37, p. 359. ½ column.

Mont Cenis Tunnel: Excavation by Drifts. Tunneling, C. Prelini, p. 87. 7 pages. I.

Mining Tunnels. Min. & Sci. Press, vol. 25, p. 182. 1⅙ columns.

The Sutro Tunnel. Min. & Sci. Press, vol. 27, p. 246, 1 column; p. 282, ⅔ column.

Engineering at the Sutro Tunnel. Min. & Sci. Press, vol. 27, p. 290. 1½ columns.

Progress at the Sutro Tunnel. Min. & Sci. Press, vol. 27, p. 296. 1 column.

The Sierra Madre Tunnel. Min. & Sci. Press, vol. 27, p. 34. ⅓ column.

The Diamond Tunnel. Min. & Sci. Press, vol. 27, p. 326. ⅔ column.

The Hoosac Tunnel. Min. & Sci. Press, vol. 27, p. 411. 1¼ columns.

The Sutro Tunnel. Min. & Sci. Press, vol. 28, p. 219. 1 column.

The Sutro Tunnel. Min. & Sci. Press, vol. 55, p. 293. 3½ columns. I.

The Sutro Tunnel and Its Projector. E. & M. J., vol. 26, p. 384. 6½ columns.

The Sutro Tunnel Debate. E. & M. J., vol. 9, p. 233. 1½ columns.

The Engineering of the Sutro Tunnel. E. & M. J., vol. 15, p. 72. 2 columns.

The Sutro Tunnel. Min. & Sci. Press, vol. 38, p. 220. 1 column.

The Sutro Tunnel: An Address. By A. Sutro. E. & M. J., vol. 28, p. 356. 9 columns.

Report of the Comstock Tunnel Company. E. & M. J., vol. 50, p. 458. ¾ column.

The Sutro Tunnel. E. & M. J., vol. 6, p. 8, ½ column; p. 385, 2 columns; vol. 13, p. 265, 1½ columns; p. 393, ½ column.

The Sutro Tunnel. Min. & Sci. Press. vol. 34, p. 198. 2 columns.

The Sutro Tunnel. Am. Jour. Min., vol. 7, p. 8. 1 column.

The Sutro Tunnel Bill. E. & M. J., vol. 11, pp. 24, 25.

The Mexican Valley Drainage Tunnel. E. & M. J., vol. 55, p. 299. ⅔ column. I.

The Joker Drainage Tunnel. By R. L. Herrick. M. & M., vol. 27, p. 470. 8½ columns. I.

Cripple Creek Drainage Tunnel. M. & M., vol. 27, p. 535. 3 columns. I.

Tunneling Machines

The Price Electrical Excavator. T. I. M. E., vol. 26, p. 405. 2 pages. I.

Tunnel Excavating Machine. Engineering, London, vol. 65, p. 486. 2 columns. I.

Tunneling Machine Electrically-Driven. Engineering, London, vol. 77, p. 194. 1 column. I.

Machine Tunneling: Boring the Mount Cenis Tunnel. E. & M. J., vol. 6, p. 257. 3 columns. I.

The Belmont Tunneling Machine. E. & M. J., vol. 34, p. 280. 1 column. I.

The Improved Stanley Header. Coll. Engr. & Met. Miner, vol. 14, p. 132. 2 columns. I.

Use of the Stanley Header in Coal Mine Development. T. I. M. E., vol. 26, p. 538. 6 pages. I.

The Ingersoll-Sergeant Heading-Machines. T. I. M. E., vol. 31, p. 365. 8 pages. I.

The Stanley Double-Heading Machine. M. & M., vol. 27, p. 171. ½ column.

An Electrical Heading Machine. By P. C. Greaves. T. I. M. E., vol. 27, p. 39. 9½ pages.

NEW BORING MACHINES FOR TUNNELING. E. & M. J., vol. 84, p. 968. 5 columns.

THE STANLEY DOUBLE-HEADING MACHINE. By A. Hali. T. I. M. E., vol. 30, p. 600. 6¼ pages.

COLLIERY ENGINEERING PROGRESS: Early History of Tunneling Machines and of the Application of Compressed Air Power for Running Them. By C. M. Percy. M. & M., Oct., 1901, p. 105.

ENTRY DRIVING MACHINES. By R. M. Hosea. Coll. Engr., vol. 11, p. 222. 2½ columns.

HEADING BY LONGWALL MACHINES. By S. Mavor. T. I. M. E., vol. 33, p. 65. 13 pages. I.

MECHANICAL APPLIANCES IN THE MONT CENIS TUNNEL. E. & M. J., vol. 12, p. 210. 2½ columns.

Subways

THE NEW SUBWAY IN NEW YORK CITY. By Chas. Prelini. Engineering, London, vol. 72, p. 737, 8 columns, I.; p. 852, 5 columns, I.

MINING METHODS IN THE NEW YORK SUBWAY. By D. H. Newland. E. & M. J., vol. 73, p. 174. 10 columns.

METHOD OF TUNNELING IN NEW YORK SUBWAY: Placing of Holes in Heading, etc. Engineering, London, vol. 73, p. 364. I.

A NEW METHOD OF LAYING SUBMARINE TUNNELS. E. & M. J., vol. 41, p. 171. 1 column. I.

THE NEW SUBWAY IN NEW YORK CITY. By Chas. Prelini. Engineering, London, vol. 72, p. 477, 4½ columns, I.; p. 507, 7 columns, I.; p. 547, 2 columns, I.; p. 576, 3 columns, I.; p. 637, 2¾ columns, I.; p. 674, 3 columns, I.; p. 699, 5 columns, I.; p. 858; vol. 73, p. 11, 3 columns, I.; p. 40, 9 columns, I.; p. 112, 3 columns, I.; p. 141, 4 columns, I.; p. 205, 4¾ columns, I.; p. 245, 5 columns, I.; p. 276, 5½ columns, I.; p. 364, 3 columns, I.; p. 429, 5½ columns, I.; p. 464, 3½ columns, I.

MINE VENTILATION

Methods of Ventilating Mines. Splitting Air-Currents, etc.

CHEMISTRY RELATING TO MINE VENTILATION. Coll. Engr., vol. 12, p. 65, 2½ columns; p. 89, 1¾ columns; p. 113, 1 column; p. 138, 1⅓ columns.

ACTION OF AIR CURRENTS. Min. & Sci. Press, vol. 34, p. 121. 2½ columns. I.

THE TEMPERATURE AND MOISTURE OF AIR CURRENTS IN MINES. By A. R. Sawyer. T. N. S. I. M. & M. E., vol. 8, p. 8. 10 pages. I.

FURTHER REMARKS ON SAME. T. N. S. I. M. & M. E., vol. 8, p. 67, 3 pages; p. 119, 14 pages.

EFFECT OF TEMPERATURE ON VENTILATION: Formula. Rept. Inspr. Mines Pa., 1875, p. 61.

DEFICIENCIES IN MINE VENTILATION. By T. A. Mather. M. & M., vol. 28, p. 124. 3 columns.

OUTLINES OF MINE VENTILATION. By Wm. Clifford. P. E. Soc. W. Pa., vol. 21, p. 286. 13½ pages. I.

A NEW DIAGRAM OF THE WORK OF MINE-VENTILATION. By H. W. G. Halbaum. T. I. M. E., vol. 27, p. 484, 9 pages; p. 509, 8 pages.

THEORY OF MINE VENTILATION. P. C. M., vol. 4, p. 257, 26 pages, I.; p. 283, 16 pages.

VENTILATION. By C. Fergie. J. M. Soc. N. S., vol. 7, p. 88. 7 pages.

THE VENTILATION OF MINES. Min. & Sci. Press, vol. 91, p. 124, 2 columns; p. 138, 1⅓ columns; p. 156, 2½ columns; p. 175, 2½ columns; p. 191, ½ column; p. 209, 1¾ columns; p. 245, 1⅓ columns; p. 262, 2 columns.

MINE VENTILATION. Min. & Sci. Press, vol. 80, p. 41. 1¾ columns.

VENTILATION OF MINES. Min. & Sci. Press, vol. 60, p. 384. ½ column. I.

Ventilation in Mines. Coll. Egr., vol. 12, p. 212, 1½ columns, I.; p. 236, 1½ columns; p. 259, 2 columns; p. 282, 1⅔ columns; vol. 13,́ p. 19, 1 column; p. 42, 1⅓ columns, I.; p. 66, 2¼ columns; p. 90, 1⅓ columns.

Mine Ventilation Made Easy. By W. Fairley. Coll. Engr., vol. 13, p. 185, 3½ columns, I.; p. 209, 6½ columns, I.; p. 233, 2⅔ columns, I.; p. 261, 2 columns, I.; p. 289, 1⅓ columns, I; vol. 14, p. 21, 2 columns; p. 49, 2 columns; p. 77, 2 columns; p. 105, 4 columns; p. 133, 3 columns; p. 161, 2 columns; p. 189, 5 columns; p. 202, 4 columns; p. 258, 5 columns.

Air and Ventilation. By B. Silliman. E. & M. J., vol. 11, p. 280. 1 column.

Ventilation of Mines. Min. & Sci. Press, vol. 23, p. 278. ⅔ column.

The Ventilation of Mines. By M. G. Hanarte. Coll. Engr. & Met. Miner, vol. 14, p. 285. 7½ columns, I.

Ventilation. By R. P. Rothwell. Am. Jour. Min., vol. 7, p. 178, 1⅔ columns; p. 194, 1¾ columns; p. 210, 1 column.

A Well Ventilated Mine. By L. Stockett. Coll. Engr., vol. 9, p. 71. 6¼ columns. I.

Solution of Problem in Ventilation. Coll. Engr., vol. 10, p. 188. 5 columns.

System of Ventilation and Haulage at Banning No. 2 Mine. E. & M. J., vol. 81, p. 324. I.

A New System of Mine Ventilation. E. & M. J., vol. 11, p. 338, 3 columns; p. 346, 2¾ columns.

Ventilation of Mines. By J. E. Stout. Coll. Engr., vol. 9, p. 46. 2½ columns. I.

Fan Ventilation. By T. B. Bancroft. Coll. Engr., vol. 9, p. 52, 7½ columns; p. 272, 2½ columns.

The Ventilation of Coal-Mines. Coll. Engr., vol. 10, p. 8. 4 columns.

Conditions in Mine Ventilation. M. & M., vol. 21, p. 234. 2¼ columns.

Removing a Body of Gas from Mine Workings. M. & M., vol. 21, p. 88. 1⅔ columns.

A New Diagram of the Work of Mine-Ventilation. By H. W. G. Holbaum. T. I. M. E., vol. 22, p. 484. 8 pages. I.

A Novelty in Mine Ventilation. By A. Dick. T. F. C. M. I., vol. 1, p. 166. 7 pages. I.

Disappearance of Air-Currents in Mines. E. & M. J., vol. 67, p. 474. I.

Mine Ventilation in Germany. E. & M. J., vol. 63, p. 91. ½ column.

A Device whereby Work can be Carried on in a Pit or Well or other Depression filled with Foul or Poisonous Gases. T. A. I. M. E., vol. 4, p. 30.

Mine Ventilation: Importance of Improvement in Methods; and Some of the Points which Need to be Considered to Attain It. By W. J. Mollison. M. & M., Feb.,1904, p. 312. 2½ columns.

Early Improvements in Mine Ventilation. M. & M., vol. 20, p. 87. 2½ columns. I.

Control of Air-Currents in Gaseous Mines. M. & M., vol. 20, p. 89. 1 column.

Current Ventilation: The Early Methods, Single Current, Coursing, Splittling, and the Causes from which They Originated. M. & M., vol. 20, p. 45. 2½ columns. I.

Mine Ventilation. Coll. Engr. & Met. Miner, vol. 16, pp. 18, 43, 65, 68, 89, 113, 137, 163. I.

A New System of Ventilating Mines. Coll. Guard., London, vol. 59, p. 947. ⅔ column. I.

Ventilation. The Witwatersrand Gold-Fields, p. 387.

Adequate Ventilation, and Noxious Gases: with Special Reference to the Recommendations of the English, French, Prussian, and Austrian Fire-Damp Commissions. By E. W. Thirkell. T. F. I. M. E., vol. 13, p. 389. 18 pages.

Positive or Negative Ventilation. By M. Haton. M. & M., vol. 19, p. 381. 1¼ columns.

Mine Ventilation. E. & M. J., vol. 24, p. 256, 2 columns; p. 275, 2 columns; p. 293, 2 columns; p. 312, 2 columns, I.; p. 331, 2 columns, I.; p. 347, 2 columns.

Ventilation by Natural Draft and Assisted by Draft. By A. Williams. Coll. Engr. & Met. Miner, vol. 16, p. 145, 7 columns; p. 230, 4 columns, I.; p. 248, 5 columns, I.

Ventilation and Workings of Slopes Nos. 4 and 5 Pratt Mines Division. T. A. I. M. E., vol. 19, p. 312.

Ventilation of Dip and Rise Workings. M. & M., vol. 21, p. 170. 1 column.

Ventilation of Drift Mining. Min. & Sci. Press, vol. 68, p. 165. ¼ column.

The Ventilation of Deep Levels. By T. Johnson. J. C. & M. Soc. S. A., vol. 4, p. 236. 27 pages. I.

Mining and Ventilating Anthracite Mines with Increasing Depths. By H. O. Peytherch. M. & M., vol. 19, p. 513. 3⅓ columns.

Ventilating Two Mines as One. M. & M., vol. 21, p. 172. 1¾ columns.

Ventilation by Compressed Air: Illustrating Part Compressed Air Supplied to Mines Plays in Ventilating. M. & M., vol. 26, p. 386. ⅓ column.

Ventilation by Compressed Air. M. & M., Apr., 1905, p. 438. ⅞ column. I.

Exhaust Steam in Mine Workings: An Aid to Lifting Water. Min. & Sci. Press, vol. 90, p. 407. ⅔ column. I.

Cooling Air in Mines. Min. & Sci· Press, vol. 33, p. 368. ¾ column.

Ventilation of Colliery Shafts while Sinking. E. & M. J., vol. 81, p. 669. Note.

How to Ventilate a Shaft while Sinking. M. & M., vol. 24, p. 146. ½ column.

Electric Mine Ventilation. E. & M. J., vol. 58, p. 510. ½ column.

Electrically-Operated Ventilating Plant in Northberg Pit, Germany. By A. Gradenwitz. E. & M. J., vol. 82, p. 63. 6 columns +. I.

Effect of Splitting Air Currents on Explosion. Rept. Inspr. Mines Pa., 1880, p. 164. 2 pages.

Ventilation: Danger of Overdoing the Splitting of Air Currents. By W. Hamilton. Coll. Engr., vol. 8, p. 274. ¾ column.

A Question of Ventilation. E. & M. J., vol. 78, p. 982. 1½ columns. I.

Conditions to be Considered before Splitting Air-Currents in Mines. M. & M., vol. 19, p. 571. 1½ columns.

Splitting: Natural Division of Air. M. & M., Aug., 1901, p. 45.

Air Splitting: Defined. M. & M., Dec., 1901, p. 231.

The Splitting of Air-Currents. Coll. Engr. & Met. Miner, vol. 15, p. 185, 3 columns; p. 258, 2 columns, I.; p. 282, 2 columns, I.; vol. 17, p. 48, 2 columns.

Mechanical Ventilators: Fans, Their Construction and Use

Width of Fan Blade. M. & M., July, 1902, p. 569.

Size and Width of Mine Fans. M. & M., Aug., 1901, p. 42.

Calculations for Mine Ventilating Fans. By J. F. M. Patitz. E. & M. J., vol. 83, p. 146. 1¾ columns.

A New Steel Ventilating Fan. E. & M. J., vol. 82, p. 1123. 2 columns. I.

THE LARGEST FAN IN EXISTENCE. M. & M., vol. 26, p. 351. 2¼ columns. I.

EQUATIONS FOR SIZE (Diameter) OF DIFFERENT FANS. E. & M. J., vol. 81, p. 232. Formulæ.

VENTILATING FANS FOR MINES. By J. T. Beard. Coll. Engr. & Met. Miner, vol. 14, p. 257. 5 columns. I.

NOTES ON FANS. By W. H. Booth. Coll. Engr. & Met. Miner, vol. 12, p. 149. 1 column. I.

CLOSED VS. OPEN FANS. Coll. Engr., vol. 11, p. 110. Table.

A COLLIERY FAN CASING. E. & M. J., vol. 78, p. 994. ½ column. I.

VENTILATION AND VENTILATORS. 2d. Geol. Survey Pa., AC, p. 307. 31 pages.

FAN CAPACITY. E. & M. J., vol. 80, p. 108. 1 column.

THE WALKER ANTI-VIBRATION SHUTTER OR SLIDE FOR GUIBAL AND OTHER ENCLOSED FANS. By E. R. Walker. T. A. I. M. E., vol. 19, p. 37.

VENTILATING FANS FOR AN ANTHRACITE COLLIERY. E. & M. J., vol. 67, p. 114. 3 columns. I.

VENTILATING FAN AT XHORRE COLLIERY, BELGIUM: A Rateau Fan. E. & M. J., vol. 67, p. 676. Note.

ROPE DRIVEN VS. DIRECT DRIVEN COLLIERY FANS. By F. T. Peacock. E. & M. J., vol. 71, p. 646. 1½ columns.

A NEW MINE FAN. M. & M., May, 1901, p. 466. ½ column.

THE "SIROCCO" FAN. M. & M., Mar., 1905, p. 380.
E. & M. J., vol. 77, p. 608, 4 columns, I.; p. 676, ½ column.

SMALL QUICK-RUNNING FANS FOR MINE VENTILATION: The Advantages of Electrically Driven Fans; Records of Some Tests. M. & M., Mar., 1905, p. 380. 3½ columns. I.

SMALL QUICK-RUNNING FANS FOR MINE VENTILATION: An Account of Some New Ventilators for This Purpose and the Advantages Claimed. By James Tonge. M. & M., Nov., 1904, p. 154.

MOTOR-DRIVEN STINE MINE FAN. M. & M., Jan., 1904, p. 281.

THE STINE FAN: A Description of a Type of Mine Fan which has Given Good Results in the Bituminous Regions of Pennsylvania. M. & M., June, 1901, p. 512. 2 columns.

THE ROBINSON VENTILATING FAN. M. & M., May, 1902, p. 454. ½ column.

WHY TWO FANS ARE NOT TWICE AS EFFECTIVE AS ONE. M. & M., vol. 19, p. 573. 1 column.

ON A DUPLEX ARRANGEMENT OF CENTRIFUGAL VENTILATING MACHINES. By W. Cochrane. T. F. I. M. E., vol. 2, p. 483. 6 pages. I.

AN IMPROMPTU VENTILATING FAN. By O. E. Stone. M. & M., vol. 19, p. 386. ½ column. I.

THE PATTON FAN: The Methods Used in Calculating Its Proportions, and Some Particulars of Tests of Its Efficiency. By E. Brackett. M. & M., vol. 19, p. 370. 5 columns. I.

THE FAN FOR THE NEWCASTLE COAL MINES, COLORADO: Construction. Coll. Engr. & Met. Miner, vol. 17, p. 426. I.

THE FIRST EXHAUST FAN USED IN AN AMERICAN COAL MINE. By T. H. Walton. Coll. Engr. & Met. Miner, vol. 15, p. 221. 1¾ columns.

TAPER DISCHARGES FOR FANS. Engineering, London, vol. 70, p. 606. ⅔ column.

A GUIBAL FAN WITH VOLUTE CASING. By E. Logage. E. & M. J., vol. 78, p. 340. 2½ columns. I.

MODERN FANS. By C. H. Innes. Engineering, London, vol. 74, p. 627, 4 columns, I.; p. 732, 5 columns, I.; p. 792, 6 columns, I.

SCREW FANS. By C. H. Innes. Engineering, London, vol. 69, p. 66. 7 columns. I.

Ventilating Fans. By W. G. Walker. Engineering, London, vol. 64, p. 55, 7¼ columns, I.; p. 122, 7 columns, I.; p. 568, 6½ columns, I.; p. 751, 3½ columns, I.

Rope Driven vs. Direct Driven Colliery Ventilating Fans. By F. T. Peacock. J. C. M. I., vol. 4, p. 107. 6 pages.

The Chandler Patent Fan. By R. S. Williamson. T. F. I. M. E., vol. 3, p. 171. 6 pages. I.

Chandler Forced Draught Fans and High-Speed Engines. T. F. I. M. E., vol. 3, p. 175. 4 pages.

The Waddle Patent Fan. By M. W. Brown. T. F. I. M. E., vol. 2, p. 173, 6 pages; vol. 3, p. 101.

General Considerations Regarding the Construction, Dimensions, and Working of Ventilating Fans. T. F. I. M. E., vol. 1, p. 69. List.

Notes on the "Medium" Fan. By A. Lupton. T. F. I. M. E., vol. 1, p. 65. 14 pages. I.

Corliss-Engined Fan at Seghill Colliery. By C. C. Leach. T. F. I. M. E., vol. 6, p. 48. 10 pages. I.

Observations on Fans of Different Types Working on the Same Upcast Shaft. By G. M. Capell. T. F. I. M. E., vol. 4, p. 203. 16 pages.

The Guibal Fan Compared with a Dynamo. By E. Grosseries. T. I. M. E., vol. 21, p. 568, 6 pages, I.; vol. 25, p. 44, 7 pages; p. 211, 8 pages.

A Mine Ventilating Plant: Steel Fan Construction. E. & M. J., vol. 74, p. 19. ¼ column. I.

Cause of Vibration and Pounding in a Mine Fan. M. & M., Apr., 1902, p. 429.

Calculation of Size of Fan for a Given Circulation. M. & M., June, 1901, p. 521.

Fan Ventilators for Mines. By R. Grimshaw. E. & M. J., vol. 84, p. 121. 2½ columns.

Fan and Natural Ventilation. M. & M., vol. 26, p. 221. 1⅔ columns. I.

Location of Fan. M. & M., Aug., 1902, p. 22.

Influence of Shape of Spiral Casing on Performance of Fan; Influence of Shutter on the Performance of Fan; Influence of Speed at which Fan is Run on Performance. T. A. I. M. E., vol. 20, pp. 667, 668.

Influence of the Condition of the Air-ways on the Fan; Influence of the Diameter of Fan on its Performance; Influence of Width of Fan on its Performance; Influence of Shape of Blades. T. A. I. M. E., vol. 20, pp. 665, 666.

Details of a 35-Foot Fan at the Hollenback Shaft. Rept. Inspr. Mines Pa., 1880, p. 100. I.

Details of Construction of 17-Foot Fan, Baltimore Tunnel Mines. Rept. Inspr. Mines Pa., 1881, p. 150.

Fan Construction. By C. M. Percy. Coll. Engr. & Met. Miner, vol. 14, p. 267. ½ column+.

Fan Construction. M. & M., Sept., 1901, p. 70.

Fan Construction. T. F. C. M. I., vol. 1, p. 173. I.

The Champion Ventilator. Rept. Inspr. Mines Pa., 1878, p. 178. I.

The "Useful Effect" of Mine Ventilators. By R. P. Rothwell. Am. Jour. Min., vol. 7, p. 2, 1¾ columns; p. 18, 1½ columns; p. 34, 2¾ columns.

The M. C. Bullock Company's Champion Ventilator. E. & M. J., vol. 67. ½ column.

The Smith Ventilating Fan. E. & M. J., vol. 41, p. 373. ½ column. I.

Compression Ventilators in German Coal Mines. E. & M. J., vol. 67, p. 410. 3 columns. I.

Mechanical Ventilators. By M. W. Brown. T. I. M. E., vol. 17, p. 482, 92 pages, I.; vol. 19, p. 399, 13 pages; vol. 20, p. 175, 6 pages; vol. 23, p. 472, 9 pages.

The Lifting Power of an Air Propeller. By W. G. Walker. Engineering, London, vol. 69, p. 233, 9½ columns, I.; vol. 68, p. 439, ½ column; p. 468, ¼ column; p. 504, ¼ column.

The Rateau Ventilator. By M. W. Brown. T. F. I. M. E., vol. 3, p. 410. 6 pages. I.

The Pneumatophor in German Coal Mines. E. & M. J., vol. 64, p. 578. Note.

The Relative Economy of Some of the Machines Used in the Ventilation of Mines. By R. P. Rothwell. E. & M. J., vol. 5, p. 322, 1 column; p. 354, 1½ columns; p. 370, 1½ columns.

Mine Ventilating Machine. Min. & Sci. Press, vol. 28, p. 161, 1 column, I.; p. 193, ½ column.

Improvised Ventilating Machinery. By C. M. Myrick. Min. & Sci. Press, vol. 86, p. 229. 2 columns. I.

Blowing-Engines. By J. Kennedy. T. A. I. M. E., vol. 22, pp. 537, 709.

Ventilation of Working Faces by Means of Blowers. E. & M. J., vol. 83, p. 99. Note.

Fan-Blower Design. E. & M. J., vol. 82, p. 795. 1¾ columns.

The Sturtevant Rotary Blower. E. & M. J., vol. 81, p. 365. 4 columns. I.

Check Valves for Blowers and Blast Piping. E. & M. J., vol. 80, p. 243. 1½ columns. I.

Underground Fans. By R. V. Norris, M. & M., vol. 27, p. 216. 1 column. By F. C. Keighley. M. & M., vol. 27, p. 216, 1½ columns; p. 261, ½ column.

Conditions of Fan Design. M. & M., vol. 27, p. 286. 1 column.

Underground Fans as Main Ventilators. By A. J. Tonge. T. I. M. E., vol. 31, p. 207, 14 pages, I.; p. 264, 10 pages.

Underground Fans as a Method of Ventilation. By F. W. Parsons. E. & M. J., vol. 82, p. 16. 1½ columns.

Advantages of Underground Fans. E. & M. J., vol. 81, p. 766. Note.

Mechanical Ventilators in Nature: Centrifugal Fans. Coll. Engr. & Met. Miner, vol. 15, p. 113, 4 columns, I.; p. 137, 4 columns, I.; p. 161, 4 columns, I.; p. 209, 4 columns, I.; p. 233, 4 columns, I.

Ventilating Fans. Engineering, London, vol. 63, p. 604. 3 columns.

Centrifugal Fans. By W. Gilbert. Engineering, London, vol. 76, p. 510. 6¾ columns. I.

Centrifugal Force of Fans. M. & M., Nov., 1902, p. 188.

Centrifugal Ventilators. By R. V. Norris. T. A. I. M. E., vol. 35, p. 455. 15 pages. I.

Centrifugal Ventilators: A Review of Designing Practice, Past and Present. By J. T. Beard. M. & M., vol. 20, p. 54, 4½ columns, I.; p. 104, 4 columns, I.; p. 157, 5½ columns, I.

Theory and Design of Centrifugal Ventilators. T. A. I. M. E., vol. 20, p. 637.

Centrifugal Ventilators. By R. V. Norris. T. A. I. M. E., vol. 20, p. 637.
T. I. M. E., vol. 17, p. 482; vol. 18, p. 488.

Centrifugal Ventilators. M. & M., vol. 20, p. 455. 1¼ columns+.

Centrifugal Ventilators. M. & M., vol. 20, p. 505. 3 columns.

Centrifugal Ventilating Machines. By F. E. Brackett. E. & M. J., vol. 81, p. 229. 10 columns.

The Centrifugal Fan. P. C. M., vol. 4, p. 300. 23 pages. I.

CENTRIFUGAL FANS. By T. H. Johnson. P. E. Soc. W. Pa., vol. 21, p. 390. 27 pages. I.

THE KÖRTING SYSTEM OF WATER-SPRAYING VENTILATOR. E. & M. J., vol. 82, p. 548. Note.

IMPROVED APPLIANCES FOR VENTILATING DEEP MINES. Min. & Sci. Press, vol. 26, p. 65. 1¾ columns. I.

THE EWBANK VENTILATOR. By A. Blatchly. Min. & Sci. Press, vol. 26, p. 97. 1 column. I.

MECHANICAL DRAFT AND ITS ADVANTAGES. M. & M., Dec., 1901, p. 219. ½ column.

MECHANICAL DRAFT. By F. R. Still. J. W. Soc. E., vol. 7, p. 271. 23 pages. I.

WIND-SAIL: Size of, for Proper Ventilation. Min. & Sci. Press, vol. 89, p. 20. Note.

Effect of Size and Shape of Air-Way on Ventilation, etc.

SCHEME OF VENTILATING ADVANCED WORKINGS, ENTRIES, ETC. E. & M. J., vol. 82, p. 403. Note.

TABLES OF VOLUMES THROUGH AIR-WAYS: Cubic Feet per Minute. E. & M. J., vol. 84, p. 82. Table.

PRATT MINES: Mouth of Slope, Showing Method of Connecting Air-Course with Surface. T. A. I. M. E., vol. 19, p. 303.

THE FRICTION OF AIR CURRENTS IN MINES: Mine Resistance. M. & M., May, 1901, p. 475. 1 column.

THE FRICTION OF, OR RESISTANCE TO, AIR-CURRENTS IN MINES. By D. Murgue. T. F. I. M. E., vol. 6, p. 135, 42 pages, I.; vol. 7, p. 211, 11 pages, I.

THE RESISTANCES OF AIR-CURRENTS IN MINES. By T. L. Elwen. T. F. I. M. E., vol. 10, p. 62. 5 pages. I.

RELATIVE POWER FOR DIFFERENT SIZED AIRWAYS. Mine Vent. Made Easy, p. 18.

EFFECT OF SHAPE OF AIR-WAY ON THE VENTILATION OF A MINE. M. & M., Mar., 1903, p. 379.

THE EFFECT OF AN OBSTRUCTION IN THE AIR-WAY OF A MINE. By T. L. Elwen. T. F. I. M. E., vol. 9, p. 36. 5 pages. I.

SIZE AND SHAPE OF AIR-WAYS. M. & M., vol. 21, p. 185. 2 columns. I.

VENTILATION: Size of Up-cast Shaft. M. & M., June, 1902, p. 523.

THE ADAPTATION OF COLLIERY WINDING SHAFTS FOR MECHANICAL VENTILATION. By H. Glepin. E. & M. J., vol. 30, p. 332. ⅔ column.

AIR-CROSSINGS AND STOPPINGS. Coll. Working & Management, p. 143. 6 pages. I.

AIR-CROSSINGS OR BRIDGES. M. & M., vol. 19, p. 303. 2 columns. I.

HOW SHOULD AIR-BRIDGES BE MADE? M. & M., vol. 19, p. 366, 1⅓ columns; vol. 21, p. 235, 2 columns.

METHOD OF FORMING OVER-CAST IN THICK COAL SEAMS. E. & M. J., vol. 84, p. 317. Note.

DRILLING AIR-HOLES IN GERMAN COAL MINES. E. & M. J., vol. 32, p. 239. Note.

DRAINING GAS FROM GOB WORKINGS BY BORE HOLES, WHERE IT IS PRACTICABLE: The Relative Advantages of Force and Exhaust Fans for This Purpose. By C. Connor. M. & M., vol. 20, p. 489; vol. 21, p. 61, 8¼ columns.

AIR-HOLES FOR CONNECTING ADVANCE FACES. E. & M. J., vol. 82, p. 977. Note.

Quantity of Air Needed in Mines

QUANTITY OF AIR CONSUMED BY: Workman with lamp, 240 cubic yards air in 24 hours; Horse, 850 cubic yards air in 24 hours; 1 Pound Gunpowder, 100 cubic yards air; 1 Pound Dynamite, 150 cubic yards air. Tunneling, C. Prelini, p. 295. Table.

AMOUNT OF AIR REQUIRED FOR VENTILATION. M. & M., vol. 27, p. 158. 1 column+.

QUANTITY OF AIR NECESSARY FOR VENTILATING A MINE. M. & M., vol. 27, p. 69. 1 column.

QUANTITY OF AIR NEEDED FOR VENTILATION. M. & M., vol. 21, p. 89. 1 column.

ADEQUATE VENTILATION: The Amount of Air Needed for Men, Horses, and Lights under Various Conditions. By E. W. Thirkell. M. & M., vol. 18, p. 245. 4½ columns.

WHEN IS A MINE EFFICIENTLY VENTILATED? M. & M., vol. 19, p. 526. 1¼ columns.

Mine Ventilation by Furnaces

FURNACE VS. FAN VENTILATION. By J. Williamson. T. N. S. I. M. & M. E., vol. 2, p. 168. 8 pages.

FURNACE VS. FAN VENTILATION. By T. E. Storey. T. N. S. I. M. & M. E., vol. 2, p. 190. 5 pages. I.

DODGE SHAFT FURNACE, BELLEVUE, PENNSYLVANIA, PRODUCING OVER 140,000 CUBIC FEET OF AIR PER MINUTE. Rept. Inspr. Mines, Pa., 1879, p. 241. I.

CHEAP VENTILATION IN SMALL MINES: Furnace. Min. & Sci. Press, vol. 78, p. 294. 1 column. I.

VENTILATING FURNACES. P. C. M., vol. 4, p. 281. 3 pages. I.

VENTILATION OF COLLIERIES: Furnaces Setting Timber on Fire. Am. Jour. Min., vol. 4, p. 273. ½ column.

VENTILATING FURNACE AT WALTON'S SECOND POOL MINES. Coll. Engr., vol. 8, p. 99. I.

VENTILATION: Size of Furnace Required. M. & M., Mar., 1902, p. 380.

OBSERVATIONS ON THE FURNACE AND FAN AND MINE VENTILATION. By G. M. Williams. Coll. Engr., vol. 9, p. 219. 3¼ columns.

MOST ECONOMICAL METHOD OF VENTILATING A MINE: Furnace *vs.* Fan. M. & M., Jan., 1902, p. 282.

DETERMINATION OF HEATING SURFACE REQUIRED IN VENTILATING FLUES. By W. P. Trowbridge. Sch. Mines Quart., vol. 3, p. 171. 12 pages. I.

MINE VENTILATION; Relative Merits of the Furnace and Fan as Ventilating Agents in Mines. By H. W. Halbaum. M. & M., vol. 18, p. 203. 7 columns.

ON THE RELATIVE ECONOMY OF VENTILATION BY HEATED CHIMNEYS AND VENTILATION BY FANS. By W. P. Trowbridge. Sch. Mines Quart., vol. 7, p. 347. 12 pages.

Stoppings, Doors, and Regulators in Mines

MINE VENTILATION: A Study of the Equivalent Orifice Method as Applied to the Measurement of the Yield of Fans. By J. T. Beard. Coll. Engr. & Met. Miner, vol. 17, p. 73. 6½ columns. I.

THEORY OF THE EQUIVALENT ORIFICE TREATED GRAPHICALLY. By H. W. Halbaum. T. I. M. E., vol. 20, p. 404, 15 pages, I.; vol. 21, p. 355, 17 pages; vol. 22, p. 509, 8 pages.

CONSTRUCTION OF AIR-STOPPINGS. M. & M., Mar., 1904, p. 392.

UNDERGROUND STOPPINGS. Coll. Engr. & Met. Miner, vol. 14, p. 253. I.

STOPPINGS ON UNDERGROUND ROADS. By E. B. Wain. T. F. I. M. E., vol. 6, p. 572. 5 pages. I.

REGULATORS. By S. M. Roberts. Coll. Engr., vol. 12, p. 267. 1½ columns. I.

VALVE DOOR FOR MINE STOPPINGS. M. & M., vol. 27, p. 117. ¼ column.

DOORS IN MINES: Their Effect on the Air Currents. By J. Blick. Coll. Engr. & Met. Miner, vol. 16, p. 279. 2½ columns. I.

DOORS IN COAL MINES. E. & M. J., vol. 80, p. 292. 1½ columns.

Measurement of Air-Currents

Direct Measurement of the Velocity of Gas-Currents with Pitot Tubes. T. I. M. E., vol. 31, p. 708. 1¼ pages.

The Lee Alarm Water-Gauge. T. F. I. M. E., vol. 3, p. 128. 1 page. I.

The Lauder Anemometer. T. I. M. E., vol. 31, p. 183. 1½ pages. I.

Recording Volumetric Anemometer. By D. Murgue. M. & M., vol. 20, p. 295. 4½ columns. I.

The Murgue Recording Volumetric Anemometer. By D. Murgue. T. I. M. E., vol. 17, p. 261. 8 pages.

Apparatus for Calibrating Anemometers. T. F. I. M. E., vol. 7, plate 8.

A Water-Manometer and Anemometer. By J. M. Silliman. T. A. I. M. E., vol. 17, p. 66.

The König Differential Water-Gauge. By M. W. Brown. T. F. I. M. E., vol. 3, p. 452. 3 pages. I.

An Improved Water-Gauge. By A. H. Stokes. T. F. I. M. E., vol. 5, p. 474. 3 pages. I.

False Water-Gauge Readings. M. & M., vol. 21, p. 136. 2¾ columns. I.

How to Read Water Gauges. M. & M., Sept., 1901, p. 85. 2 columns.

Pressure of Air at Different Depths in Shafts. Rept. of Inspr. of Mines Pa., 1875, p. 60. Table.

The Estimation of the Actual Effective Pressure or Water-Gauge in the Ventilation of Mines. By T. A. Southern. T. F. I. M. E., vol. 4, p. 461. 13 pages.

Forced or Induced Ventilation for Mines. E. & M. J., vol. 78, p. 738. 1¾ columns.

Motive Column. M. & M., June, 1902, p. 502.

Increase in Pressure with Increase in Speed of Rotation of Fan. M. & M., Jan., 1903, p. 283.

The Relation between Power, Pressure and Quantity. Mine Vent. Made Easy, p. 18.

Experimental Investigations on the "Loss of Head" of Air-Currents in Underground Workings. By D. Murgue. T. A. I. M. E., vol. 23, p. 63.

The Loss of Head of Air-Currents in Underground Workings. By D. Murgue. E. & M. J., vol. 56, p. 345. 3 columns. I.

The Flow of Air and Other Gases. By F. W. Gordon. T. A. I. M. E., vol. 14, p. 146.

Air Columns in Mine Ventilation. M. & M., vol. 20, p. 333. 1¾ columns. I.

Underground Velocities in Connection with Ventilation and Illumination. By A. R. Sawyer. T. N. S. I. M. & M. E., vol. 7, p. 263. 7 pages.

Testing the Velocity of Air Currents by Burning Powder in Pennsylvania Mines. Rept. Inspr. Mines Pa., 1878, p. 245. ½ page.

Tests on Fans

The Capell Fan: Some Results Obtained at a Test Conducted by the Berwind-White Coal Mining Company. M. & M., vol. 18, p. 316. 5⅓ columns. I.

Tests on a Mine-Fan. By J. B. Thompson. T. I. M. E., vol. 32, p. 295. 5 pages. I.

Four Tests of a Capell Mine Ventilating Fan. By J. B. Thompson. E. & M. J., vol. 83, p. 1008. 4 columns. I.

Testing Blowers. E. & M. J., vol. 82, p. 1068. 1½ columns. I.

Test of a Kuderer Fan. M. & M., vol. 26, p. 388. Table.

Fan Tests. By W. H. Booth. Coll. Engr., vol. 11, p. 185. 1½ columns. I.

Capell Fan Test. M. & M., Sept., 1901, p. 72. ½ column.

Results of a Ventilating Fan Test. M. & M., vol. 20, p. 113. Table.

NOTES ON FAN GAUGES IN CONNECTION WITH FAN TESTING AND THE ADAPTATION OF FANS TO MINES, AND COMPARISON OF FAN AND FURNACE AT SILVER-HILL COLLIERY. By G. M. Capell. T. F. I. M. E., vol. 3, p. 196. 5 pages.

METHOD OF COMPARING DIFFERENT SORTS OF VENTILATING FANS. T. F. I. M. E., vol. 1, p. 66.

A SUCCESSFUL FAN TEST. By J. T. Beard. E. & M. J., vol. 80, p. 194. 5 columns. I.

TIME AND SPEED INDICATORS FOR VENTILATING FANS: Pennsylvania Law. Rept. Inspr. Mines, Pa., 1886, p. 22. 2 pages. I.

EXPERIMENTS WITH WADDLE FAN. Mine Vent. Made Easy, p. 17.

EXPERIMENTS WITH FANS, STANTON IRONWORKS COMPANY'S COLLIERIES. T. F. I. M. E., vol. 2, p. 535.

COMPARATIVE EXPERIMENTS UPON A CAPELL AND A SCHIELE FAN WORKING UNDER SIMILAR CONDITIONS. By M. Deacon. T. F. I. M. E., vol. 1, p. 287, 4 pages, I.; vol. 2, p. 216, 14 pages; vol. 3, p. 101.

COMPARATIVE EXPERIMENTS ON MODELS OF A CAPELL, A SCHIELE, AND A CREIGHTON EXCELSIOR FAN, UNDER THE SAME CONDITIONS. By J. Creighton. T. F. I. M. E., vol. p. 14, 466. 3 pages.

EXPERIMENTS UPON TWO GUIBAL FANS AT ST. JOHN'S COLLIERY, NORMANTON. By E. Brown. T. F. I. M. E., vol. 4, p. 532. 10 pages.

EXPERIMENTS UPON A WADDLE FAN AND A CAPELL FAN WORKING ON THE SAME MINE AT EQUAL PERIPHERAL SPEED, AT TEVERSAL COLLIERY. By J. C. B. Hendy. T. F. I. M. E., vol. 4, p. 474. 6 pages.

EXPERIMENTS WITH GUIBAL FAN. Mine Vent. Made Easy, p. 16.

Efficiency of Fans

ON THE COMPARATIVE EFFICIENCY OF FANS AND POSITIVE BLOWERS. By H. M. Howe. T.A.I.M.E., vol. 10, p. 482.

DETERMINING THE EFFICIENCY OF A VENTILATING FAN. M. & M., vol. 21, p. 137. 2¼ columns.

EFFICIENCY OF FANS. M. & M., June, 1901, p. 506.

MANOMETRIC EFFICIENCY: The Term Applies to the Efficiency of a Given Circulation and Does not Express the Efficiency of a Fan. By J. T. Beard. M. & M., June, 1901, p. 524. 2 columns.

MANOMETRIC EFFICIENCY OF FANS. By G. M. Capell. T. F. I. M. E., vol. 5, p. 252. 13 pages.

Application of Ventilating Methods to Metal and Coal Mines and Tunnels

VENTILATION AT BENDIGO, AUSTRALIA. Min. & Sci. Press, vol. 93, p. 601. ½ column.

VENTILATION IN DEEP MINES. Min. & Sci. Press, vol. 93, p. 629. 2 columns.

VENTILATION ON THE COMSTOCK AND THE OCCURRENCE AND HANDLING OF THE GASES GENERATED FROM DECAYING TIMBERS: Bulkhead 60 Feet Thick, etc. Min. & Sci. Press, vol. 48, p. 258. Note.

VENTILATION IN THE RAND MINES. Witwatersrand Gold-Fields, p. 387. 5½ pages.

VENTILATION IN CORNISH MINES. Min. & Sci. Press, vol. 86, p. 305. ⅔ column.

MINE VENTILATION: Comstock as an Illustration. E. & M. J., vol. 77, p. 431. 1½ columns.

A QUESTION OF VENTILATION. E. & M. J., vol. 78, p. 699, 2 columns; p. 718, 1 column.

MINE VENTILATION IN AUSTRALIA: A Parallel Case with the Comstock. E. & M. J., vol. 77, p. 632. ¾ column.

VENTILATION AT EHRENFELD COLLIERY, PENNSYLVANIA. E. & M. J., vol. 78, p. 258. ¼ column.

Ventilation in the Mines of Victoria. E. & M. J., vol. 76, p. 925. ¼ column.

Notes on the Ventilation of a Deep Metal Mine as Affected by Seasonal Changes of Temperature. By J. E. Preston. T. F. C. M. I., vol. 3, p. 113. 4 pages. I.

Ventilation of Swedish Iron Mines. Engineering, London, vol. 66, p. 502. ½ column.

Ventilation of De Beers Mines. Diamond Mines of South Africa, p. 338.

Ventilating Quartz Mines. Min. & Sci. Press, vol. 62, p. 137. ½ column. I.

Mine Ventilation in Montana. Min. & Sci. Press, vol. 91, p. 224. 2 columns +.

On the Ventilation of Coal Mines. By J. W. Harden. E. & M. J., vol. 5, p. 67, 1 column; p. 82, 1 column; p. 98, 1½ columns; p. 146, 1½ columns; p. 162, 1½ columns; p. 179, 1½ columns; p. 211, 1 column; p. 226, 1 column; p. 243, 2 columns; vol. 6, p. 50, 1¼ columns; p. 66, ½ column; p. 82, 1 column; p. 98, 1¼ columns; p. 146, 1⅔ columns; p. 163, ¾ column; p. 178, 1 column; p. 194, 1⅔ columns; p. 211, 1½ columns; p. 226, 1 column; p. 242, 1 column; p. 258, 1 column; p. 290, 1 column; p. 306, 1½ columns; p. 322, 1 column; p. 338, 2 columns.

Ventilation in Flat Coal Seams. By A. H. Stow. E. & M. J., vol. 83, p. 191. 11 columns. I.

Practical Experiments in Coal-Mine Ventilation. By W. D. Owens. E. & M. J., vol. 84, p. 74. 4½ columns.

The Destructive Results Produced by the Use of Gunpowder in Coal Mines. By O. L. Lucas. T. N. S. I. M. & M. E., vol. 2, p. 284. 10 pages.

Ventilation in Panel Working. Coll. Working & Management, p. 166. 8 pages. I.

The Mechanical Effect of "Blown-Out" Shots on Ventilation. By Hall and Clark. E. & M. J., vol. 22, p. 140. 3 columns.

Effect of Use of Blasting Powder on Mine Ventilation. Rept. Inspr. Mines Pa., 1876, p. 100. 2 pages.

Deep Pits and Long Air-Currents in Great Britain. E. & M. J., vol. 33, p. 208. ⅓ column.

Ventilation in English Collieries. E. & M. J., vol. 32, p. 374. 1 column.

On the Separate Ventilation of Coal-Workings. By Von Steindel. E. & M. J., vol. 38, p. 232. 1½ columns.

Tunnel Ventilation. Min. & Sci. Press, vol. 28, p. 179. ½ column.

Bad Air in Sutro Tunnel and the Comstock Lode: Action of Mules. By A. Sutro. E. & M. J., vol. 28, p. 358. ¼ column.

Ventilation and Lighting of Tunnels during Construction. Tunneling, C. Prelini, p. 290. 10 pages.

Ventilation in the Newhouse Tunnel. M. & M., vol. 27, p. 37. ½ column.

The Ventlation of Tunnels. By C. S. Churchill. Engineering, London, vol. 78, p. 799. 15 columns.

An Efficient Air Blast for Tunnel Ventilation. Min. & Sci. Press, vol. 86, p. 168. 1 column. I.

Tunnel Ventilation at El Paso Mine, Cripple Creek, Colorado. Min. & Sci. Press, vol. 87, p. 19. Note.

Apparatus for Ventilating Tunnels. Min. & Sci. Press, vol. 43, p. 441. ½ column. I.

The Ventilation of Long Tunnels. Min. & Sci. Press, vol. 44, p. 34. ⅞ column.

"Tubes" (Tunnel) Ventilation. Engineering, London, vol. 75, p. 15, 1903, ⅓ column; vol. 74, p. 845, 1 column.

Ventilation in Tunnel (Simplon) by High-Speed Fans in Relay. J. C. M. I., vol. 2, p. 141.

Ventilating the Elkhorn Tunnel. E. & M. J., vol. 72, p. 6. ½ column.

Ventilating a Tunnel. E. & M. J., vol. 78, p. 782. 1½ columns. I.

WATER

Sources and Supplies of Water

Water Resources of Nevada. By H. Thurtell. Min. & Sci. Press, vol. 94, p. 661. 5½ columns. I.

The Genesis of Mineral Waters. By E. A. Ritter. E. & M. J., vol. 82, p. 869. 6 columns.

Natural Mineral Waters of the United States. By A. C. Peale. U. S. G. S., 14th Ann. Rept., pt. 2, pp. 49–88. 1894.

The Medicinal Springs of California. Min. & Sci. Press, vol. 36, p. 262. 2½ columns.

Mineral Springs of California. Min. & Sci. Press, vol. 44, p. 390, 8 columns; p. 395, 3⅓ columns; p. 398, 2 columns.

Source of Volcanic Water. By R. T. Hill. E. & M. J., vol. 80, p. 13. 4¼ columns.

Classification of Mineral Waters. Min. & Sci. Press, vol. 66, p. 990. 1¾ columns.

Notes on the Potable Waters of Mexico. By Ellen H. Richards. T. A. I. M. E., vol. 32, p. 335.

Memoranda Relative to Water. Machinery for Metalliferous Mines. By E. H. Davies. p. 30.

The Color of Water. M. & M., Sept., 1902, p. 77. ½ column.

Details of Modern Water Works Construction. By W. C. Foster. Sch. Mines Quart., vol. 15, p. 89, 14 pages, I.; p. 230, 14 pages, I.; vol. 16, p. 135, 11 pages, I.; p. 327, 12 pages, I.

Relation of Rainfall to Run-off in California. Min. & Sci. Press, vol. 85, p. 6. 2 columns. I.

Rainfall and Discharges. Notes on Water Supply in New Countries, p. 8. Table.

Evaporation and Absorption from Reservoirs. Notes on Water Supply in New Countries, p. 15. Table.

Loss of Water in Flumes and Canals. Notes on Water Supply in New Countries, pp. 19, 20. Table.

Water Development: Old River Beds; Natural Reservoirs; Supply for Wells; Passage of Water through Fine Material very Slow; Gravel Channels; Riparian Rights (Underground), etc. Min. & Sci. Press, vol. 78, p. 588. 2½ columns.

Methods of Obtaining Water Supply for Sugar Plantations in the Hawaiian Islands. By J. N. S. Williams. J. C. M. I., vol. 7, p. 70. 10 pages. I.

An Emergency Water Supply for a Coal Breaker. By J. H. Haertter. E. & M. J., vol. 84, p. 1124. 4½ columns. I.

Water Problems in Western Australia: Dams; Natural Reservoirs; Wells, etc. By A. G. Charleton. Gold Min. & Mill. W. Aus., Chap. 6, p. 117. 28 pages.

Aerial Condensers Used for Obtaining Water in Western Australia. Gold Min. & Mill. W. Aus., Chap. 6, p. 127. 10 pages. I.

Water Supply for Rand Mines. Gold Mines of the Rand, p. 159. 2½ pages.

SCARCITY OF WATER ON THE RAND. Min. & Sci. Press, vol. 79, p. 36. 1½ columns.

WATER SUPPLY IN VICTORIA FOR MINING PURPOSES. Min. & Sci. Press, vol. 21, p. 14. 1⅓ columns.

THE QUESTION OF WATER SUPPLY IN THE SOUTHWEST. By W. C. Potter. E. & M. J., vol. 72, p. 225. 2 columns. I.

SUB-SURFACE WATER SUPPLIES. By W. P. Trowbridge. Sch. Mines Quart., vol. 8, p. 191. 14 pages. I.

NOTES ON WATER-SUPPLY. By C. E. de Rance. T. F. I. M. E., vol. 12, p. 598. 12 pages. I.

EMIG'S SYSTEM OF SUBTERRANEAN WATER SUPPLY. E. & M. J., vol. 59, p. 81. 1 column. I.

INVESTIGATIONS OF WATER-SUPPLY. By F. H. Newell. T. A. I. M. E., vol. 27, p. 465.

THE WATER PROBLEM IN CRIPPLE CREEK AND OTHER COLORADO CAMPS: Its Cause and the Methods Used in Dealing with It. By A. Lakes. M. & M., Feb., 1902, p. 302. 3½ columns.

NOTES ON THE UNDERGROUND SUPPLIES OF POTABLE WATERS IN THE SOUTH ATLANTIC PIEDMONT PLATEAU. By J. A. Holmes. T. A. I. M. E., vol. 25, p. 936.

SOURCE OF UNDERGROUND WATER; CAUSE OF THE FLOWAGE OF UNDERGROUND WATER; AND BELTS OF UNDERGROUND CIRCULATION. T. A. I. M. E., vol. 30, pp. 47–51.

SALT WATER IN THE LAKE MINES. By A. C. Lane. T. L. S. M. I., vol. 12, p. 154. 10 pages. I.

SOURCE OF WATER IN THE MINES. Min. & Sci. Press, vol. 36, p. 119. ½ column.

THE "COPPER WATER" OF BUTTE. Min. & Sci. Press, vol. 78, p. 62. 1 column.

WATER IN THE HOURAKI GOLD-FIELD, NEW ZEALAND. By P. Morgan. E. & M. J., vol. 78, p. 429. 3 columns.

WATER IN THE WITWATERSRAND MINES. By T. L. Carter. E. & M. J., vol. 78, p. 227. 3 columns.

ARTESIAN WELLS. E. & M. J., vol. 45, p. 322. 1½ columns. I.

A PECULIAR ARTESIAN WELL IN THE KLONDIKE. By J. B. Tyrrell. E. & M. J., vol. 75, p. 188. 2 columns. I.

ON ARTESIAN WELLS. Min. & Sci. Press, vol. 38, p. 150. 4 columns. I.

ARTESIAN WELLS. Min. & Sci. Press, vol. 37, pp. 233, 241, 265, 273, 289, 305, 329, 353.

DRIVEN WELLS. Min. & Sci. Press, vol. 43, p. 403. ¾ column.

CAPPING FLOWING WELLS (Artesian). Min. & Sci. Press, vol. 55, p. 195. 2¼ columns. I.

THE ARTESIAN AND OTHER DEEP WELLS ON THE ISLAND OF MONTREAL. By F. D. Adams. J. C. M. I., vol. 8, p. 76. 26 pages. I.

ARTESIAN WELLS AT SIERRA MOJADA, MEXICO. T. A. I. M. E., vol. 15, p. 573.

The Measurement of Water

MEASUREMENT OF WATER: The Miners' Inch; Flow of Water in Pipes; Horse Power of Water. Machinery for Metalliferous Mines. By E. H. Davies. pp. 23–28.

A "MINERS' INCH" ANALOGOUS TO AN AMPERE. E. & M. J., vol. 61, p. 421. Note.

THE MEASUREMENT OF WATER. E. & M. J., vol. 68, p. 549. ¾ column.

MEASUREMENT OF WATER IN MONTANA. E. & M. J., vol. 65, p. 175. Note.

A WATER MEASURING BOX. By W. Newbrough. Sch. Mines Quart., vol. 19, p. 88. 2 pages. I.

WHAT IS AN INCH OF WATER? Am. Jour. Min., vol. 7, p. 72. ¾ column.

Some Improvised Hydraulic Experiments (Miners' Inch). By F. L. Vinton. E. & M. J., vol. 25, p 110. 4 columns. I.

How to Measure Flowing Water. Min. & Sci. Press, vol. 33, p. 238. 1 column.

Measurement of Water. Min. & Sci. Press, vol. 38, p. 282. ⅞ column.

Miners' Inch. Min. & Sci. Press, vol. 37, p. 152. ¼ column.

Miners' Inches for Various Horsepowers. Min. & Sci. Press, vol. 44, p. 392. ⅔ column. D.

A Miners' Inch Gauge. Min. & Sci. Press, vol. 50, p. 413. ½ column. I.

The V-Notch Water Gauge. Min. & Sci. Press, vol. 51, p. 161. ¼ column. I.

Measurement and Flow of Water in Ditches: Miners' Inch. Min. & Sci. Press, vol. 49, p. 5. 5½ columns. I.

Measurement of Water in California. Min. & Sci. Press, vol. 50, p. 76. 1 column.

The Miners' Inch in Canada. Min. & Sci. Press, vol. 82, p. 6. 1¼ columns.

Head of Water and Miners' Inches. Min. & Sci. Press, vol. 82, p. 38. Table.

The Miners' Inch. Min. & Sci. Press, vol. 57, p. 77. 3⅓ columns. I.

Measurement of Miners' Inch. Min. & Sci. Press, vol. 69, p. 214. 2 columns. I.

The Miners' Inch. Min. & Sci. Press, vol. 74, p. 169. 3 columns. I.

Water Measurement in the Yukon. Min. & Sci. Press, vol. 85, p. 177. ¼ column. Table.

The British Gallon. M. & M., Apr., 1902, p. 405.

For further information on Measurement of Water see Water Wheels, etc.

Pollution and Purification of Waters

Pollution of River Water by Cyanide. E. & M. J., vol. 68, p. 251. ⅓ column.

Corrosive Mine Waters. E. & M. J., vol. 64, p. 368. ⅔ column.

River Pollution in Coal Districts. E. & M. J., vol. 74, p. 438. ½ column.

The Contamination of River Water by Coal Mine Refuse. E. & M. J., vol. 77, p. 188. 1¼ columns.

The Pollution of Rivers by Mining. E. & M. J., vol. 16, p. 371. 2½ columns.

The Impurities of Water. By A. E. Hunt and G. H. Clapp. T. A. I. M. E., vol. 17, p. 338.

Water Softening: Chemical Compounds Found in Water; Proper Amount of Lime and Soda to be Added to Water for Softening. By E. Higgins. M. & M., vol. 26, p. 136. 3 columns.

The Hall Automatic Water Still. E. & M. J., vol. 61, p. 375. ½ column. I.

The Waters of the Passaic River and Its Tributaries: The Self-Purification of Streams. By D. Woodman. E. & M. J., vol. 49, p. 423, 3⅔ columns; p. 448, 2½ columns; p. 473, 3 columns.

Purification of Boiler Water. M. & M., May, 1904, p. 504. 2 columns.

Water Purification by Iron. E. & M. J., vol. 47, p. 14. 1½ columns.

On the Filtration of Water for Industrial Purposes. By P. Barnes. T. A. I. M. E., vol. 10, p. 112.

Tests for the Purity of Drinking Water. By F. Wyatt. E. & M. J., vol. 56, p. 168. 2 columns.

The Purification of Drinking Water. By H. E. P. Cottrell. Engineering, London, vol. 66, p. 253, 2½ columns; p. 494, 3 columns; p. 608, 4¼ columns; p. 671, 3 columns; p. 767, 5½ columns.

WATER-SOFTENING PLANT AT LANGWITH COLLIERY. By J. G. Shearer. T. I. M. E., vol. 20, p. 63. 4 pages. I.

WATER-SOFTENING. By J. K. Smith. T. I. M. E., vol. 21, p. 278. 14 pages.

INTERPRETATION OF WATER ANALYSIS. By G. C. Whipple. Columbia Eng., 1897–1898, p. 62. 10 pages. I.

ELECTRICITY FOR PURIFYING DRINKING WATERS. E. & M. J., vol. 75, p. 120. Note.

THE IMPORTANCE OF POTABLE WATER Supplies to Mining Communities. By C. E. Morrison. E. & M. J., vol. 80, p. 1057. 3½ columns.

NOTES ON WATER SOFTENING. By W. M. Gardner and L. L. Lloyd. E. & M. J., vol. 80, p. 1021. 4 columns.

TO TEST THE PURITY OF WATER. Min. & Sci. Press, vol. 76, p. 265. ½ column +.

BOILER WATERS AND THEIR TREATMENT. By W. M. Booth. Min. & Sci. Press, vol. 90, p. 388, 3 columns; p. 408, 1½ columns.

TREATMENT OF STAGNANT WATERS WITH COPPER SULPHATE: Domestic Supply. Min. & Sci. Press, vol. 89, p. 160. 1⅜ columns.

PURIFICATION OF WATER. By Masterman. T. N. S. I. M. & M. E., vol. 10, p. 153. 6 pages.

USE OF EXHAUST STEAM TO PURIFY BOILER WATER. E. & M. J., vol. 82, p. 259. Note.

PURIFICATION OF WATER FOR USE IN STEAM BOILERS. By J. O. Handy. P. E. Soc. W. Pa., vol. 15, p. 26. 31 pages.

WATER PURIFICATION. By P. A. Maigneu. J. W. Soc. E., vol. 7, p. 57. 23 pages. I.

Water in Milling, etc.

WATER REQUIREMENTS FOR STAMP MILLING. By G. W. Riter. E. & M. J., vol. 68, p. 278. 1 column.

THE MINIMUM AMOUNT OF WATER REQUIRED FOR STAMP MILLS. E. & M. J., vol. 65, p. 459. ¾ column.

THE FEED-WATER OF STAMP MILLS. Min. & Sci. Press, vol. 78, p. 264. ¾ column.

LOSS OF WATER IN MILLING, WEST AUSTRALIA. Gold Min. & Mill. W. Aus., p. 133. Notes.

RECOVERY OF WATER IN MILLING. By E. J. Sweetland. E. & M. J., vol. 82, p. 348. 1½ columns. I.

A WATER-COOLING APPARATUS. By C. Henrich. T. A. I. M. E., vol. 25, pp. 43, 960.

A DEVICE FOR COOLING WATER. E. & M. J., vol. 51, p. 287. ⅓ column.

COOLING WATER BY COMPRESSED AIR. Min. & Sci. Press, vol. 83, p. 57, ½ column; p. 64, note.

WATER RIGHTS IN CALIFORNIA. Min. & Sci. Press, vol. 82, p. 132. note.

LIST OF PUBLICATIONS INDEXED

PUBLICATION.	VOLUMES INDEXED.
Am. Jour. Min.	1 to 7 inclusive.
Coll. Engr. & Met. Miner	8 to 13 inclusive.
E. & M. J.	7 to 84 inclusive.
Engineering, London	63 to 79 inclusive.
J. C. M. I.	1 to 9 inclusive.
J. C. & M. Soc. S. A.	1 to 4 inclusive.
J. M. Soc. N. S.	1, 2, 3, 7, 8 and 9.
J. W. Soc. E.	1 to 11 inclusive.
Min. Mag.	10 to 13 inclusive.
M. & M.	18 to 28 inclusive.
Min. & Sci. Press	13 to 94 except 15, 20, 22 and 24.
P. C. M. & M. Soc. S. A.	5 to 6 inclusive.
P. E. Soc. W. Pa.	1 to 22 inclusive except 2 and 3.
Sch. Mines Quart	1 to 28 inclusive.
Soc. P. E. E.	1 to 10 inclusive.
T. L. S. M. I.	1 to 12 inclusive.
T. I. M. E.	1 to 35 inclusive.
T. A. I. M. E.	1 to 37 inclusive.
T. I. M. & M.	1 to 16 inclusive.
T. N. S. I. M. & M. E.	1 to 10 inclusive.

Bulletins and reports of the United States Geological Survey up to and including 1907.

Other publications which have been partly indexed are given below:

- Reports of the Inspectors of Mines of Pennsylvania for the years 1873, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1886 and 1887.
- Practical Coal Mining, volumes 1 to 4 inclusive.
- Report of the Census Office, Mines and Quarries for 1902.
- Mechanical Engineering of Collieries, part 1.
- The Witwatersrand Gold Fields, 1 volume.
- The Anthracite Coal Industry, 1 volume.
- Colliery Working and Management, 1 volume.
- The Mechanical Handling of Material, 1 volume.
- Gold Mines of the Rand, 1 volume.
- Tin Deposits of the World, 1 volume.
- Diamond Drilling, 1 volume.
- Well Boring, 1 volume.
- Tunneling, 1 volume.
- Engineering-Contracting, Volume 28.

The American Journal of Mining was changed to the Engineering and Mining Journal.

The Mining Magazine was incorporated with the Pacific Coast Miner, and later combined with the Engineering and Mining Journal.

The Colliery Engineer and Metal Miner was changed in name to Mines and Minerals.

The Journal of the Chemical and Metallurgical Society of South Africa was changed to Proceedings of the Chemical Mining and Metallurgical Society of South Africa.

INDEX

Accidents in mining, 1.
  avalanches, 28.
  boiler explosions, 27.
  causes of accidents, 3.
  coal dust, 11.
  compensation, 8.
  earth and snow slides, 28.
  falls of roof and walls, 10.
  first aid, 10.
  health of miners, 8.
  hoisting accidents, 27.
  inundation of mines, 19.
  lightning entering mines, 29.
  loss of life in mining, 3.
  mine fires, 14.
  mine explosives, 20.
  poisoning and injuries, 25.
  powder explosions, 26.
  protection in mining, 5.
  rescue work in mines, 7.
  spontaneous combustion, 18.
Animals in mines, 29.
  care of animals, 29.
  feeding, 29.
  mine stables, 29.

Blasting in mines, 30.
  arrangement of holes, 33.
  blasting in coal mines, 31.
  compressed air in blasting, 33.
  large or mammoth blasts, 34.
  lime blasting, 35.
  methods of blasting, 32.
  quantity of explosive, 34.
  submarine blasting, 34.
  tamping and materials, 33.

Chemistry: methods and practice, 35.
  acid manufacture, 38.
  antimony, determination of, 39.
  arsenic, methods of determining, 43.
  bismuth, determination of, 37
  cement, analysis of, 38.
  chemical laboratories, 37.
  coal analysis, 43.
  cobalt, determination of, 43.
  copper, methods of determining, 43.
  cyaniding, chemical analysis in, 42.
  gold analysis, 40.
  iron, methods of determining, 44.
Chemistry: lead, methods of determining, 41.
  lime analysis, 41.
  manganese, methods of determining, 38.
  mercury, determination of, 37.
  molybdenum, determination of, 37.
  nickel, determination of, 43.
  phosphorus, determination of, 40.
  silver analysis, 40.
  sulphur, methods of determining, 39.
  tellurium, methods of determining, 37.
  tin, methods of determining, 43.
  tungsten, methods of determining, 43.
  wolfram, methods of determining, 37.
  zinc, methods of determining, 41.
Clays and their uses, 53, 457.
  brick, 55.
  clay, methods of testing, 55.
  clay, products of, 55.
  clay, properties of, 55.
Compressed air in mining, 46.
  air compressors, 47.
  blowing engines, 52.
  compression of air, 48.
  diseases, 53.
  explosions in air compressors, 53.
  haulage, 51.
  hydraulic air compressors, 50.
  intercoolers, 52.
  liquid air as an explosive, 53.
  operations, 47.
  pumping, 52.
  receivers, 52.
  regulators, 52.
  theory, 48.
  transmission of power by, 50.
  types, 47.
Concentration, 55.
  amalgam retorts, 71.
  amalgamators, 68.
  centrifugal concentration, 78.
  classifiers, 82.
  concentrators, 75.
  dry concentration, 86.
  effect of temperature on amalgamation, 70.
  electrostatic separation, 72.
  flotation processes, 61.
  gold amalgamation, 63.

Concentration: hand dressing, 60.
  hand tests, 82.
  jigs and jigging, 58.
  losses in milling, 85.
  magnetic separation, 72.
  mercury and amalgamation, 70.
  pan amalgamation, 67.
  patio amalgamation, 69.
  plates in amalgamation, 66.
  practice in milling, 87.
  preparation of coal, 55.
  rockers, 68.
  silver amalgamation, 63.
  slime treatment, 82.
  tables, 75.
  theory of concentration, 56.
  washing coal and mineral, 78.
Concrete mortars and plasters, 99.
  concrete, characteristics of, 103.
  concrete, manufacture of, 99.
  concrete, properties of, 103.
  concrete, use in mines, 104.
  concrete, uses of, 99.
  gypsum plasters, 103.
  occurrence of cement, 103.
Conveyors for mineral and coal, 105.
  kinds of, 105.
  loading and unloading for vessels and cars, 106.
  operation of, 105.
  underground, 107.

Dams for mining purposes, 108.
  caissons, 110.
  cofferdams, 110.
  construction of, 108.
  description of, 108.
  stability of, 108.
  stresses in, 108.
  underground, 109.
Deep drilling, 277.
Deposits of ore and fuel, 328.
  antimony, 439.
  apatite, 449.
  arsenic, 442.
  asbestos, 451.
  asphalts, 454.
  barytes, 450.
  bauxite, 443.
  bismuth, 443.
  borax, 457.
  building stone, 464.
  cement rocks, 459.
  clays, 457.
  coal, 43 ,287, 339, 419.
  copper, 393.
  corundum, 443.
  diamonds, 453.
  diatomaceous earth, 458.
  emeralds, 454.
Deposits of fluorspar, 458.
  fuller's earth, 458.
  gas, 463.
  glass sands, 459.
  gold and silver, 352.
  graphite, 456.
  gypsum, 444.
  iron, 408.
  lead, 402.
  lignites, 435.
  manganese, 436.
  mica, 451.
  miscellaneous, 466.
  monazites, 450.
  nickel, 437.
  nitrates, 452.
  nuggets, 471.
  ocher, 458.
  onyx, 454.
  petroleum, 459.
  phosphates, 446.
  platinum, 392.
  quicksilver, 445.
  rare metals, 466.
  ruby, 454.
  salt, 448.
  sapphires, 454.
  sulphur, 450.
  theory of ore deposits, 339.
  tin, 439.
  tungsten, 437.
  turquoise, 454.
  wolframite, 443.
  zinc, 402.
Development, the industrial, of mining and production, 279.
  coal trade, 287.
  copper trade, 286.
  precious metal mining, 282.
  economic features of mining, 279.
  function of gold and silver, 284.
  industrial features of mining, 279.
  iron trade, 286.
  mining statistics, 281.
  miscellaneous production, 288.
  production of precious metal mining, 282.
Diamond drills, 274.
Districts, mining, 111.
  Africa, 112.
  Alabama, 117.
  Alaska, 119.
  Argentine Republic, 122.
  Arizona, 123.
  Arkansas, 126.
  Asia, 127.
  Australia, 127.
  Austria-Hungary, 132.
  Belgium, 133.
  Brazil, 133.

Districts, mining: British Columbia, 135.
  Bolivia, 134.
  California, 140.
  Canada, 147.
  Carolinas, 153.
  Central America, 155.
  Columbia, 155.
  Chili, 157.
  China, 157.
  Colorado, 158.
  Connecticut, 167.
  East Indies, 172.
  Ecuador, 169.
  Egypt, 169.
  England, 169.
  Florida, 173.
  France, 174.
  Georgia, 174.
  Germany, 176.
  Greece, 176.
  Guianas, 155.
  Honduras, 176.
  Idaho, 176.
  Illinois, 179.
  India, 181.
  Indiana, 180.
  Iowa, 180.
  Ireland, 182.
  Italy, 182.
  Japan, 183.
  Kansas, 184.
  Kentucky, 185.
  Korea, 185.
  Lapland, 186.
  Louisiana, 185.
  Madagascar, 186.
  Maine, 186.
  Malaysia, 172.
  Maryland, 186.
  Massachusetts, 187.
  Mexico, 187.
  Michigan, 194.
  Minnesota, 196.
  Missouri, 197.
  Mississippi, 198.
  Montana, 199.
  Nebraska, 201.
  Nevada, 206.
  New Caledonia, 201.
  Newfoundland, 202.
  New Jersey, 202.
  New Mexico, 203.
  New York, 211.
  New Zealand, 212.
  Nicaragua, 210.
  Nova Scotia, 205.
  Norway, 213.
  Ohio, 213.
  Oklahoma, 214.
Districts, mining: Oregon, 214.
  Panama, 215.
  Pennsylvania, 215.
  Persia, 219.
  Peru, 219.
  Philippine Islands, 220.
  Portugal, 221.
  Russia, 221.
  Scandinavia, 223.
  South Dakota, 167.
  Spain, 223.
  Sweden, 224.
  Tennessee, 224.
  Texas, 226.
  Turkey, 228.
  United States, 228.
  Utah, 237.
  Venezuela, 240.
  Vermont, 240.
  Virginia, 241.
  Washington, 244.
  West Indies, 245.
  West Virginia, 241.
  Wisconsin, 246.
  Wyoming, 247.
Ditches, 265.
Drainage, mine, 248.
  bailing water, 260.
  channels, 265.
  compressed air pumping, 258.
  Cornish pumps, 255.
  ditches, 265.
  efficiency, 251.
  electrically-driven pump, 259.
  hand pumps, 257.
  hydraulic pumps, 257.
  in general, 248.
  miscellaneous, 266.
  pipes and pipe fittings, 262.
  pumps for mine use, 252.
  pump tests, 251.
  rotary pump, 254.
  sumps, 266.
  syphons in mines, 257.
  theory of pumping, 250.
  tunnels, 261.
  unwatering shafts, 261.
  valves and valve-gear, 266.
  vacuum pumps, 259.
  water portage, 257.
Drawing, 301.
Drilling and boring, 266.
  air hammer drills, 269.
  churn drills and drilling, 273.
  deep drilling, 277.
  diamond drills, 274.
  electric drills, 270.
  forming drills, 270.
  hand drills, 266.
  machine drills, 267.

Drilling and boring: miscellaneous information, 279.
  power drills, 267.
  prospect drilling, 272.
  rate of drilling, 277.
  reamers for boring apparatus, 278.
  rotary drills, 274.
  submarine drilling, 277.
  surveying bore holes, 278.
  tempering drills, 270.
  use of bore holes, 272.
Dumping devices, 289.
  bucket dumps, 290.
  cradles, 289.
  dumps, 289.
  rotary dump, 289.
  self-dumping cages, 290.
  skip dumps, 290.
  tipples, 289.

Education, 291.
  blue-printing, 301.
  corespondence schools, 297.
  definitions and terms, 300.
  drawing, 301.
  experimentation, 299.
  expositions, 299.
  industries and, 306.
  laboratories, 303.
  measures, 302.
  mints, 303.
  models, 303.
  periodicals, 299.
  practice, 298.
  requirements of, 305.
  research, 299.
  societies, 299.
  summer school work, 300.
  symbols, 302.
  technical, 291.
  theory, 298.
  trade schools, 297.
  weights, 302.
Explosives for mining purposes, 307.
  development of, 307.
  firing of, 311.
  fuses, 311.
  handling of, 314.
  in coal mining, 312.
  kinds of, 307.
  manufacture of, 309.
  primers, 311.
  properties of, 310.
  quantity of, 313.
  regulations for cities, 307.
  safety, 311.
  storing of, 315.
  testing of, 313.
  theory of, 315.
  use in gas and oil wells, 316.
Fuels and fuel testing, 316.
  briquetting of, 323.
  characteristics of coal, 316.
  composition of coal, 316.
  gas as power generator, 322.
  manufacture of coke, 318.
  oil as power generator, 322.
  peat, 320.
  properties of coke, 318.
  substitutes of, 323.
  testing of, 325.
  use of gas, 322.
  utilization of coal, 317.
  value of, 325.
  waste of coal, 317.

Geology, 328.
  air blasts, 338.
  antimony, 439.
  apatite, 449.
  asbestos, 451.
  arsenic, 442.
  asphalts, 454.
  auriferous gravels, 466.
  barytes, 450.
  bauxite, 443.
  bismuth, 443.
  borax, 457.
  building stone, 464.
  cement rocks, 459.
  clays, 457.
  copper, 393.
  corundum, 443
  diamonds, 453.
  diatomaceous earth, 458.
  earthquakes, 338.
  emeralds, 454.
  faults, 336.
  fluorspar, 458.
  fullers earth, 458.
  gas, 463.
  glass sands, 459.
  gold and silver, 352.
  graphite, 456.
  gypsum, 444.
  iron, 408.
  lead, 402.
  lignites, 435.
  manganese, 436.
  mica, 451.
  miscellaneous, 466.
  monazites, 450.
  nickel, 437.
  nitrates, 452.
  nuggets, 471.
  ocher, 458.
  onyx, 454.
  origin of coal, 339.
  origin of petroleum, 339.
  petroleum, 459.

Geology: phosphates, 446.
  platinum, 392.
  progress and studies, 328.
  quicksilver, 445.
  rare metals, 466.
  ruby, 454.
  salt, 448.
  sapphire, 454.
  solutions of faults, 336.
  sulphur, 450.
  theory of ore deposits, 339.
  tin, 439.
  tungsten, 437.
  turquoise, 454.
  types of veins, 334.
  volcanoes, 338.
  wolframite, 443.
  zinc, 402.

Handling and storage of mineral, 473.
  loading cars and boats, 474.
  man elevators, 475.
  methods of, 473.
  storage of, 476.
  unloading cars and boats, 474.
Haulage in mines, 477.
  capacity of mine cars, 487.
  clips, 489.
  compressed air, 484.
  couplings, 489.
  design of mine cars, 487.
  electrical, 485.
  mine cars, 487.
  mine car running-gear, 487.
  mine car wheels, 487.
  mine roads, 491.
  on inclines, 482.
  sheaves, 489.
  steam locomotives, 483.
  switches, 491.
  systems, 477.
  tracks, 491.
  tractive force, 477.
  turnouts, 491.
  wheelbarrows, 489.
Hoisting in mining, 492.
  appliances for, 494.
  brakes for, 506.
  buckets, 503.
  cages for, 504.
  cage keeps, 511.
  calculations for, 492.
  chains, 509.
  chairs, 511.
  counterbalancing in, 500.
  couplings, 509.
  cross-heads, 509.
  deep winding, 499.
  drums, 507.
  electric, 497.

Hoisting: gas engines, 499.
  guides, 509.
  indicators for, 508.
  inspection of mines, 511.
  methods of, 494.
  oil, 499.
  overwinding in, 502.
  pneumatic, 499.
  prevention of overwinding, 502.
  ropes, 509.
  safety catches for mine cages, 508.
  shaft-bottom lay outs, 508.
  shaft-closing arrangements, 511.
  sheaves, 507.
  skip for, 505.
  speed of, 497.
  water power, 499.
  windlasses, 503.
  whims, 503.

Labor in mines, 512.
  changing houses, 519.
  clubs, 519.
  contract systems, 519.
  discipline in mines, 517.
  labor problems, 512.
  labor troubles, 514.
  labor unions, 518.
  leasing, 519.
  ore thefts, 521.
  strikes, 514.
  workmen, 512.
  workmen's aid, 517.
  workmen's compensation, 517.
Ladders in mines, 522.
Law, mining, 611.
  applications, 611.
  assessments, 618.
  claims, 618.
  decisions, 620.
  extra-lateral rights, 617.
  federal mining laws, 615.
  locations, 618.
  mineral land acts, 615.
  mining royalties, 622.
  of states and countries, 612.
  principles, 611.
  riparian and water rights, 619.
  taxes, 618.
  the law of the apex, 617.
  tunnel rights, 619.
Life in mines, 522.
Lighting, mine, 622.
  acetylene gas, 623.
  candles, 624.
  electricity for, 623.
  illumination by safety lamp, 624.
  illumination of buildings, 622.
  illumination of mines, 622.
  oil used, 624.

Lighting: shaft lighting, 624.
  testing by safety lamp, 624.

Management of mines, 523.
  accounts, 526.
  administration, 523.
  amortization, 528.
  bookkeeping, 526.
  depreciation, 528.
  filing and card system, 528.
  frauds, 531.
  investments, 529.
  keeping mining notes, 528.
  managers, 525.
  organization, 525.
  rating of mining property, 532.
  risks, 531.
  stock, 528.
  stockholders, 528.
  superintendents, 525.
  taxation of mining property, 532.
Maps, 533.
  countries, 533.
  districts, 533.
  geological, 535.
  making of, 535.
  mine, 535.
Metallurgical methods and processes, 535.
  assaying, 538.
  calculations, 538.
  chlorination, 571.
  copper, 549.
  cyaniding, 558.
  electro-metallurgy, 575.
  furnaces, 542.
  gold, 545.
  iron, 552.
  miscellaneous information, 573.
  nickel, 557.
  processes, 535.
  pyritic smelting, 545.
  quicksilver, 557.
  roasting ores, 542.
  silver, 545.
  tin, 558.
  works, 535.
  zinc, 556.
Metals, 579.
  alloys of iron, 583.
  aluminum: its properties, 583.
  copper, 582.
  fineness of gold, 580.
  gold, fineness of, 580.
  gold, properties of, 579.
  iron, 583.
  mass copper, 582.
  platinum, 581.
  properties of, 579.
  quicksilver, 582.
Metals: silver, 580.
  tin, properties of, 582.
Mine and mill constructions, 593.
  buildings, 596.
  design of structures, 593.
  flumes, 603.
  foundations, 602.
  head frames, 598.
  materials of, 593.
  methods of, 593.
  ore bins, 600.
  shops, 596.
  tanks for mining purposes, 604.
  tipples, 600.
Mine and mill machinery, 691.
  at the face, 694.
  bearings, 693.
  belts, 694.
  electric coal, 697.
  friction brakes, 694.
  friction clutches, 693.
  getters, 698.
  lubrication, 693.
  manufacture of, 691.
  mechanical, 698.
  protection of iron and steel structures, 694.
  pulleys, 693.
  use of, 691.
Mine gases, 604.
  atmosphere, 604.
  barometric pressure, 610.
  detection of, 608.
  determination of, 610.
  gas in mines other than coal, 606.
  gases, 604.
  occurrence in coal, 606
  outbursts of, 607.
  testing of, 608.
  tests for, 610.
Minerals, 583.
  amber, 589.
  asbestos, 589.
  asphaltum compounds, 591.
  carborundum, 591.
  classification, 583.
  copper, 587.
  corundum, 591.
  determination of, 583.
  diamonds, origin, 591.
  gems, 593.
  gold, 587.
  graphite, 590.
  iron ores, 588.
  lead ores, 589.
  measurement of ore, 586.
  meteorites, 588.
  mica, 590.
  miscellaneous occurrence, 585.
  nickel ores, 589.

Minerals: occurrence of diamonds, 591.
  origin of diamonds, 591.
  phosphates, 589.
  precious stones, 593.
  quicksilver, 589.
  radium, 589.
  salt, 589.
  silver, 587.
  sulphur, 589.
  value of ore, 584.
  weight of ore, 586.
  zinc ores, 589.
Mining, 627.
  abandoned mines, 691.
  appliances, 674.
  beach, 665.
  breaking down coal at the face, 687.
  camping outfits, 632.
  caving system, 657.
  culm, use of, 662.
  damages, 679.
  debris, 679.
  deep, 663.
  development, 636.
  difficulties in, 689.
  dimensions of rooms, 687.
  dimensions of shafts and slopes, 636.
  divining, 632.
  drawing pillars in coal mines, 686.
  dredging, 674.
  drift, 658.
  entries in, 687.
  estimation of mines, 647.
  excavation in, 666.
  excavators in, 666.
  general, 651.
  gravels, frozen, 661.
  history of, 627.
  hydraulic, 669.
  hydraulic elevators, 669.
  hydraulic giants, 669.
  increase of temperature with depth, 689.
  litigation, 689.
  longwall, 684.
  methods of, 651.
  methods of procedure, 632.
  milling methods, 667.
  mine reports, 647.
  mining thick and massive deposits, 660.
  miscellaneous, 651.
  open cut, 667.
  ore reserves, 647.
  ore in sight, 647.
  packing in, 662.
  panel, 686.
  pillars in, 682.
  pocket, 657.
Mining: practice, 674.
  prospecting, 632.
  rate of sinking, 640.
  reworking abandoned mines, 687.
  river, 663.
  room, 682.
  salting, 691.
  sampling of, 647.
  shaft sinking, 640.
  steam shovels in, 666.
  stoping, 658.
  temperature, 689.
  under-sea, 661.
  value of mines, 647.
  waste, use of, 662.
  waste in, 688.

Photography for mines and technical work, 711.
Power: Steam, water, electricity and gas, 711.
  application of, 711.
  boilers, steam, 712.
  boiler, calculation, 715.
  boiler, compounds, 719.
  boiler feed-water, 716.
  boiler, feed-water heaters, 717.
  boiler, horsepower, 715.
  boiler, tests, 715.
  condensers, 716.
  central power plant, 718.
  consumption of steam, 717.
  consumption of coal, 719.
  electric power plant, 723.
  electricity in the mine, 727.
  equipment of electric power plant, 723.
  gas engines, 714.
  governors, 722.
  horse-power of steam engines, 713.
  mechanical feeders for, 718.
  oil engines, 714.
  plants, power, 712.
  scale compounds, 719.
  steam engine calculations, 713.
  steam pipes and coverings, 719.
  superheated steam, 716.
  tests for steam engine, 713.
  valve and valve gear for steam-engines, 720.
  waste of steam, 717.
  waste of coal, 719.
  water-power plants, 721.
  water wheels, 722.
  wet steam, 716.

Reduction, 735.
  ball mills, 745.
  crushers, 737.
  crushers, construction of, 737.
  crushers, operation of, 737.

Reduction: feeders, automatic for, 737.
  methods of, 735.
  mills, 745.
  miscellaneous types, 745.
  of ores, 735.
  practice of, 735.
  rolls, 738.
  rolls, construction of, 738.
  rolls, operation of, 738.
  stamp-mill practice, 739.
  tube mills, 745.
Rope for mine use, 749.
  breakage of, 755.
  care of, 754.
  connection of, 751.
  examination of, 752.
  fiber, 751.
  kinds of, 749.
  manufacture of, 749.
  paper, 751.
  protection of, 754.
  splicings, 751.
  strength of, 752.
  tests of, 752.
  working stresses, 752.

Sampling of mines, 755.
  apparatus employed, 756.
  coal, practice in sampling, 758.
  gravels, practice in sampling, 758.
  methods of, 756.
  mine, 755.
  minerals, practice in sampling, 758.
  ore-bodies, measurement of, 758.
  ores, sampling of, 757.
Signaling in mines, 762.
  codes for, 762.
  compressed air, 763.
  electricity, 763.
  methods of, 763.
  telephones, 763.
Sizing of mineral, 760.
  screens, 760.
  screens, kind of, 761.
  screens, operation of, 761.
  theory of, 760.
Support, mine, 699.
  cementation, 707.
  coal and iron for, 701.
  conditions affecting, 699.
  iron for, 701.
  masonry, 701.
  pillars, barrier, 702.
  pillars, size of, 702.
  shaft lining, 707.
  subsidence in mine workings, 702.
  timber, kinds of, 700.
  timber, preservation of, 709.
  timber, strength of, 701.
Support: timbering, 708.
  timbering, methods of, 703.
  timbering, square set, 709.
  tubbing, 707.
  tunnel support, 706.
Surveying, 764.
  claims, 767.
  instruments, 764.
  shaft-plumbing, 770.
  surface, 767.
  underground, 768.

Transportation, 772.
  cableways, construction and use, 779.
  canal, 777.
  cars, capacity of, 774.
  engines, traction, 775.
  fluming, 772.
  gauge, 774.
  lake, 778.
  ocean, 779.
  packing, 772.
  portage, 772.
  rail, 772.
  rails, 774.
  rail-sections, 774.
  roads, wagon, 775.
  wagons, 775.
Tunneling, 783.
  examples of, 785.
  machines, 788.
  methods of, 783.
  subways, 789.

Ventilation, mine, 789.
  air-currents, splitting of, 789.
  air-currents, measurement of, 797.
  air, quantity of needed in, 795.
  by furnaces, 796.
  by mechanical ventilators, 791.
  doors, 796.
  fans, construction and use, 791.
  fans, efficiency of, 798.
  fans, tests on, 797.
  in coal mines, 798.
  in metal mines, 798.
  in tunnels, 798.
  methods of, 789.
  regulators, 796.
  shape of air-ways, 795.
  size of air-ways, 795.
  stoppings, 796.

Water, 800.
  in milling, 803.
  measurement of, 801.
  pollution of, 802.
  purification of, 802.
  sources of, 800.
  supplies of, 800.

SHORT-TITLE CATALOGUE

OF THE

PUBLICATIONS

OF

JOHN WILEY & SONS

NEW YORK

LONDON: CHAPMAN & HALL, LIMITED

ARRANGED UNDER SUBJECTS

Descriptive circulars sent on application. Books marked with an asterisk (*) are sold at *net* prices only. All books are bound in cloth unless otherwise stated.

AGRICULTURE—HORTICULTURE—FORESTRY.

Armsby's Principles of Animal Nutrition	8vo,	$4 00
Budd and Hansen's American Horticultural Manual:		
Part I. Propagation, Culture, and Improvement	12mo,	1 50
Part II. Systematic Pomology	12mo,	1 50
Elliott's Engineering for Land Drainage	12mo,	1 50
Practical Farm Drainage. (Second Edition, Rewritten)	12mo,	1 50
Graves's Forest Mensuration	8vo,	4 00
Green's Principles of American Forestry	12mo,	1 50
Grotenfelt's Principles of Modern Dairy Practice. (Woll.)	12mo,	2 00
* Herrick's Denatured or Industrial Alcohol	8vo,	4 00
Kemp and Waugh's Landscape Gardening. (New Edition, Rewritten. In Preparation).		
* McKay and Larsen's Principles and Practice of Butter-making	8vo,	1 50
Maynard's Landscape Gardening as Applied to Home Decoration	12mo,	1 50
Sanderson's Insects Injurious to Staple Crops	12mo,	1 50
Sanderson and Headlee's Insects Injurious to Garden Crops. (In Preparation).		
* Schwarz's Longleaf Pine in Virgin Forests	12mo,	1 25
Stockbridge's Rocks and Soils	8vo,	2 50
Winton's Microscopy of Vegetable Foods	8vo,	7 50
Woll's Handbook for Farmers and Dairymen	16mo,	1 50

ARCHITECTURE.

Baldwin's Steam Heating for Buildings	12mo,	2 50
Berg's Buildings and Structures of American Railroads	4to,	5 00
Birkmire's Architectural Iron and Steel	8vo,	3 50
Compound Riveted Girders as Applied in Buildings	8vo,	2 00
Planning and Construction of American Theatres	8vo,	3 00
Planning and Construction of High Office Buildings	8vo,	3 50
Skeleton Construction in Buildings	8vo,	3 00

3

Briggs's Modern American School Buildings	8vo,	$4 00
Byrne's Inspection of Materials and Wormanship Employed in Construction.	16mo,	3 00
Carpenter's Heating and Ventilating of Buildings	8vo,	4 00
* Corthell's Allowable Pressure on Deep Foundations	12mo,	1 25
Freitag's Architectural Engineering	8vo,	3 50
Fireproofing of Steel Buildings	8vo,	2 50
Gerhard's Guide to Sanitary Inspections. (Fourth Edition, Entirely Revised and Enlarged)	12mo,	1 50
* Modern Baths and Bath Houses	8vo,	3 00
Sanitation of Public Buildings	12mo,	1 50
Theatre Fires and Panics	12mo,	1 50
Johnson's Statics by Algebraic and Graphic Methods	8vo,	2 00
Kellaway's How to Lay Out Suburban Home Grounds	8vo,	2 00
Kidder's Architects' and Builders' Pocket-book	16mo, mor.,	5 00
Merrill's Stones for Building and Decoration	8vo,	5 00
Monckton's Stair-building	4to,	4 00
Patton's Practical Treatise on Foundations	8vo,	5 00
Peabody's Naval Architecture	8vo,	7 50
Rice's Concrete-block Manufacture	8vo,	2 00
Richey's Handbook for Superintendents of Construction	16mo, mor.	4 00
Building Foreman's Pocket Book and Ready Reference	16mo, mor.	5 00
* Building Mechanics' Ready Reference Series:		
* Carpenters' and Woodworkers' Edition	16mo, mor.	1 50
* Cement Workers' and Plasterers' Edition	16mo, mor.	1 50
* Plumbers', Steam-Fitters', and Tinners' Edition	16mo, mor.	1 50
* Stone- and Brick-masons' Edition	16mo, mor.	1 50
Sabin's House Painting	12mo,	1 00
Siebert and Biggin's Modern Stone-cutting and Masonry	8vo,	1 50
Snow's Principal Species of Wood	8vo,	3 50
Towne's Locks and Builders' Hardware	16mo, mor.	3 00
Wait's Engineering and Architectural Jurisprudence	8vo,	6 00
	Sheep,	6 50
Law of Contracts	8vo,	3 00
Law of Operations Preliminary to Construction in Engineering and Architecture	8vo,	5 00
	Sheep,	5 50
Wilson's Air Conditioning	12mo,	1 50
Worcester and Atkinson's Small Hospitals, Establishment and Maintenance, Suggestions for Hospital Architecture, with Plans for a Small Hospital.	12mo,	1 25

ARMY AND NAVY.

Bernadou's Smokeless Powder. Nitro-cellulose, and the Theory of the Cellulose Molecule	12mo,	2 50
Chase's Art of Pattern Making	12mo,	2 50
Screw Propellers and Marine Propulsion	8vo,	3 00
* Cloke's Enlisted Specialists' Examiner	8vo,	2 00
* Gunner's Examiner	8vo,	1 50
Craig's Azimuth	4to,	3 50
Crehore and Squier's Polarizing Photo-chronograph	8vo,	3 00
* Davis's Elements of Law	8vo,	2 50
* Treatise on the Military Law of United States	8vo,	7 00
DeBrack's Cavalry Outpost Duties. (Carr.)	24mo, mor.	2 00
* Dudley's Military Law and the Procedure of Courts-martial	Large 12mo,	2 50
Durand's Resistance and Propulsion of Ships	8vo,	5 00
* Dyer's Handbook of Light Artillery	12mo,	3 00
Eissler's Modern High Explosives	8vo,	4 00
* Fiebeger's Text-book on Field Fortification	Large 12mo,	2 00
Hamilton and Bond's The Gunner's Catechism	18mo,	1 00
* Hoff's Elementary Naval Tactics	8vo,	1 50
Ingalls's Handbook of Problems in Direct Fire	8vo,	4 00
* Lissak's Ordnance and Gunnery	8vo,	6 00

* Ludlow's Logarithmic and Trigonometric Tables	8vo,	$1 00
* Lyons's Treatise on Electromagnetic Phenomena. Vols. I. and II.	8vo, each,	6 00
* Mahan's Permanent Fortifications. (Mercur.)	8vo half mor.	7 50
Manual for Courts-martial	16mo, mor.	1 50
* Mercur's Attack of Fortified Places	12mo,	2 00
* Elements of the Art of War	8vo,	4 00
Nixon's Adjutants' Manual	24mo,	1 00
Peabody's Naval Architecture	8vo,	7 50
* Phelps's Practical Marine Surveying	8vo,	2 50
Putnam's Nautical Charts	8vo,	2 00
Rust's Ex-meridian Altitude. Azimuth and Star-Finding Tables	8vo,	5 00
Sharpe's Art of Subsisting Armies in War	18mo, mor.	1 50
* Tupes and Poole's Manual of Bayonet Exercises and Musketry Fencing.	24mo, leather,	50
* Weaver's Military Explosives	8vo,	3 00
Woodhull's Notes on Military Hygiene	16mo,	1 50

ASSAYING.

Betts's Lead Refining by Electrolysis	8vo,	4 00
Fletcher's Practical Instructions in Quantitative Assaying with the Blowpipe.	16mo, mor.	1 50
Furman and Pardoe's Manual of Practical Assaying. (Sixth Edition, Revised and Enlarged)	8vo,	3 00
Lodge's Notes on Assaying and Metallurgical Laboratory Experiments	8vo,	3 00
Low's Technical Methods of Ore Analysis	8vo,	3 00
Miller's Cyanide Process	12mo,	1 00
Manual of Assaying	12mo,	1 00
Minet's Production of Aluminum and its Industrial Use. (Waldo.)	12mo,	2 50
O'Driscoll's Notes on the Treatment of Gold Ores	8vo,	2 00
Ricketts and Miller's Notes on Assaying	8vo,	3 00
Robine and Lenglen's Cyanide Industry. (Le Clerc.)	8vo,	4 00
Ulke's Modern Electrolytic Copper Refining	8vo,	3 00
Wilson's Chlorination Process	12mo,	1 50
Cyanide Processes	12mo,	1 50

ASTRONOMY.

Comstock's Field Astronomy for Engineers	8vo,	2 50
Craig's Azimuth	4to,	3 50
Crandall's Text-book on Geodesy and Least Squares	8vo,	3 00
Doolittle's Treatise on Pracical Astronomy	8vo,	4 00
Hayford's Text-book of Geodetic Astronomy	8vo,	3 00
Hosmer's Azimuth	16mo, mor.	1 00
Merriman's Elements of Precise Surveying and Geodesy	8vo,	2 50
* Michie and Harlow's Practical Astronomy	8vo,	3 00
Rust's Ex-meridian Altitude, Azimuth and Star-Finding Tables	8vo,	5 00
* White's Elements of Theoretical and Descriptive Astronomy	12mo,	2 00

CHEMISTRY.

* Abderhalden's Physiological Chemistry in Thirty Lectures. (Hall and Defren)	8vo,	5 00
* Abegg's Theory of Electrolytic Dissociation. (von Ende.)	12mo,	1 25
Alexeyeff's General Principles of Organic Syntheses. (Matthews.)	8vo,	3 00
Allen's Tables for Iron Analysis	8vo,	3 00
Armsby's Principles of Animal Nutrition	8vo,	4 00
Arnold's Compendium of Chemistry. (Mandel.)	Large 12mo,	3 50
Association of State and National Food and Dairy Departments, Hartford Meeting, 1906	8vo,	3 00
Jamestown Meeting, 1907	8vo,	3 00

Austen's Notes for Chemical Students	12mo,	$1 50
Baskerville's Chemical Elements. (In Preparation).		
Bernadou's Smokeless Powder.—Nitro-cellulose, and Theory of the Cellulose Molecule	12mo,	2 50
Biltz's Introduction to Inorganic Chemistry. (Hall and Phelan). (In Press).		
Laboratory Methods of Inorganic Chemistry. (Hall and Blanchard).	8vo,	3 00
* Blanchard's Synthetic Inorganic Chemistry	12mo,	1 00
* Browning's Introduction to the Rarer Elements	8vo,	1 50
* Claassen's Beet-sugar Manufacture. (Hall and Rolfe.)	8vo,	3 00
Classen's Quantitative Chemical Analysis by Electrolysis. (Boltwood.)	8vo,	3 00
Cohn's Indicators and Test-papers	12mo,	2 00
Tests and Reagents	8vo,	3 00
* Danneel's Electrochemistry. (Merriam.)	12mo,	1 25
Dannerth's Methods of Textile Chemistry	12mo,	2 00
Duhem's Thermodynamics and Chemistry. (Burgess.)	8vo,	4 00
Effront's Enzymes and their Applications. (Prescott.)	8vo,	3 00
Eissler's Modern High Explosives	8vo,	4 00
Erdmann's Introduction to Chemical Preparations. (Dunlap.)	12mo,	1 25
* Fischer's Physiology of Alimentation	Large 12mo,	2 00
Fletcher's Practical Instructions in Quantitative Assaying with the Blowpipe.	12mo, mor.	1 50
Fowler's Sewage Works Analyses	12mo,	2 00
Fresenius's Manual of Qualitative Chemical Analysis. (Wells.)	8vo,	5 00
Manual of Qualitative Chemical Analysis. Part I. Descriptive. (Wells.)	8vo,	3 00
Quantitative Chemical Analysis. (Cohn.) 2 vols	8vo,	12 50
When Sold Separately, Vol. I, $6. Vol. II, $8.		
Fuertes's Water and Public Health	12mo,	1 50
Furman and Pardoe's Manual of Practical Assaying. (Sixth Edition, Revised and Enlarged.)	8vo,	3 00
* Getman's Exercises in Physical Chemistry	12mo,	2 00
Gill's Gas and Fuel Analysis for Engineers	12mo,	1 25
* Gooch and Browning's Outlines of Qualitative Chemical Analysis.	Large 12mo,	1 25
Grotenfelt's Principles of Modern Dairy Practice. (Woll.)	12mo,	2 00
Groth's Introduction to Chemical Crystallography (Marshall)	12mo,	1 25
Hammarsten's Text-book of Physiological Chemistry. (Mandel.)	8vo,	4 00
Hanausek's Microscopy of Technical Products. (Winton.)	8vo,	5 00
* Haskins and Macleod's Organic Chemistry	12mo,	2 00
Hering's Ready Reference Tables (Conversion Factors)	16mo, mor.	2 50
* Herrick's Denatured or Industrial Alcohol	8vo,	4 00
Hinds's Inorganic Chemistry	8vo,	3 00
* Laboratory Manual for Students	12mo,	1 00
* Holleman's Laboratory Manual of Organic Chemistry for Beginners. (Walker.)	12mo,	1 00
Text-book of Inorganic Chemistry. (Cooper.)	8vo,	2 50
Text-book of Organic Chemistry. (Walker and Mott.)	8vo,	2 50
* Holley's Lead and Zinc Pigments	Large 12mo,	3 00
Holley and Ladd's Analysis of Mixed Paints, Color Pigments, and Varnishes.	Large 12mo,	2 50
Hopkins's Oil-chemists' Handbook	8vo,	3 00
Jackson's Directions for Laboratory Work in Physiological Chemistry	8vo,	1 25
Johnson's Rapid Methods for the Chemical Analysis of Special Steels, Steel-making Alloys and Graphite	Large 12mo,	3 00
Landauer's Spectrum Analysis. (Tingle.)	8vo,	3 00
* Langworthy and Austen's Occurrence of Aluminum in Vegetable Products, Animal Products, and Natural Waters	8vo,	2 00
Lassar-Cohn's Application of Some General Reactions to Investigations in Organic Chemistry. (Tingle.)	12mo,	1 00
Leach's Inspection and Analysis of Food with Special Reference to State Control	8vo,	7 50
Löb's Electrochemistry of Organic Compounds. (Lorenz.)	8vo,	3 00
Lodge's Notes on Assaying and Metallurgical Laboratory Experiments	8vo,	3 00
Low's Technical Method of Ore Analysis	8vo,	3 00
Lunge's Techno-chemical Analysis. (Cohn.)	12mo,	1 00
* McKay and Larsen's Principles and Practice of Butter-making	8vo,	1 50
Maire's Modern Pigments and their Vehicles	12mo,	2 00

Mandel's Handbook for Bio-chemical Laboratory	12mo,	$1 50
* Martin's Laboratory Guide to Qualitative Analysis with the Blowpipe	12mo,	0 60
Mason's Examination of Water. (Chemical and Bacteriological.)	12mo,	1 25
Water-supply. (Considered Principally from a Sanitary Standpoint.)	8vo,	4 00
* Mathewson's First Principles of Chemical Theory	8vo,	1 00
Matthews's Laboratory Manual of Dyeing and Textile Chemistry	8vo,	3 50
Textile Fibres. 2d Edition, Rewritten	8vo,	4 00
* Meyer's Determination of Radicles in Carbon Compounds. (Tingle.) Third Edition	12mo,	1 25
Miller's Cyanide Process	12mo,	1 00
Manual of Assaying	12mo,	1 00
Minet's Production of Aluminum and its Industrial Use. (Waldo.)	12mo,	2 50
Mixter's Elementary Text-book of Chemistry	12mo,	1 50
Morgan's Elements of Physical Chemistry	12mo,	3 00
Outline of the Theory of Solutions and its Results	12mo,	1 00
* Physical Chemistry for Electrical Engineers	12mo,	1 50
Morse's Calculations used in Cane-sugar Factories	16mo, mor.	1 50
* Muir's History of Chemical Theories and Laws	8vo,	4 00
Mulliken's General Method for the Identification of Pure Organic Compounds.		
Vol. I. Compounds of Carbon with Hydrogen and Oxygen. Large	8vo,	5 00
Vol. II. Nitrogenous Compounds. (In Preparation).		
Vol. III. The Commercial Dyestuffs. (In Press).		
O'Driscoll's Notes on the Treatment of Gold Ores	8vo,	2 00
Ostwald's Conversations on Chemistry. Part One. (Ramsey.)	12mo,	1 50
" " " " Part Two. (Turnbull.)	12mo,	2 00
Owen and Standage's Dyeing and Cleaning of Textile Fabrics	12mo,	2 00
* Palmer's Practical Test Book of Chemistry	12mo,	1 00
* Pauli's Physical Chemistry in the Service of Medicine. (Fischer.)	12mo,	1 25
Penfield's Tables of Minerals, Including the Use of Minerals and Statistics of Domestic Production	8vo,	1 00
Pictet's Alkaloids and their Chemical Constitution. (Biddle.)	8vo,	5 00
Poole's Calorific Power of Fuels	8vo,	3 00
Prescott and Winslow's Elements of Water Bacteriology, with Special Reference to Sanitary Water Analysis	12mo,	1 50
* Reisig's Guide to Piece-Dyeing	8vo,	25 00
Richards and Woodman's Air, Water, and Food from a Sanitary Standpoint	8vo.	2 00
Ricketts and Miller's Notes on Assaying	8vo,	3 00
Rideal's Disinfection and the Preservation of Food	8vo,	4 00
Sewage and the Bacterial Purification of Sewage	8vo,	4 00
Rigg's Elementary Manual for the Chemical Laboratory	8vo,	1 25
Robine and Lenglen's Cyanide Industry. (Le Clerc.)	8vo,	4 00
Ruddiman's Incompatibilities in Prescriptions	8vo,	2 00
Whys in Pharmacy	12mo,	1 00
Ruer's Elements of Metallography. (Mathewson). (In Press.)		
Sabin's Industrial and Artistic Technology of Paint and Varnish	8vo,	3 00
Salkowski's Physiological and Pathological Chemistry. (Orndorff.)	8vo,	2 50
Schimpf's Essentials of Volumetric Analysis	12mo,	1 25
Manual of Volumetric Analysis. (Fifth Edition, Rewritten)	8vo,	5 00
* Qualitative Chemical Analysis	8vo,	1 25
Smith's Lecture Notes on Chemistry for Dental Students	8vo,	2 50
Spencer's Handbook for Cane Sugar Manufacturers	16mo, mor.	3 00
Handbook for Chemists of Beet-sugar Houses	16mo, mor.	3 00
Stockbridge's Rocks and Soils	8vo,	2 50
Stone's Practical Testing of Gas and Gas Meters	8vo,	3 50
* Tillman's Descriptive General Chemistry	8vo,	3 00
* Elementary Lessons in Heat	8vo,	1 50
Treadwell's Qualitative Analysis. (Hall.)	8vo,	3 00
Quantitative Analysis. (Hall.)	8vo,	4 00
Turneaure and Russell's Public Water-supplies	8vo,	5 00
Van Deventer's Physical Chemistry for Beginners. (Boltwood.)	12mo,	1 50
Venable's Methods and Devices for Bacterial Treatment of Sewage	8vo,	3 00
Ward and Whipple's Freshwater Biology. (In Press.)		
Ware's Beet-sugar Manufacture and Refining. Vol. I.	8vo,	4 00
" " " " " Vol. II.	8vo,	5 00

Washington's Manual of the Chemical Analysis of Rocks	8vo,	$2 00
* Weaver's Military Explosives	8vo,	3 00
Wells's Laboratory Guide in Qualitative Chemical Analysis	8vo,	1 50
Short Course in Inorganic Qualitative Chemical Analysis for Engineering Students	12mo,	1 50
Text-book of Chemical Arithmetic	12mo,	1 25
Whipple's Microscopy of Drinking-water	8vo,	3 50
Wilson's Chlorination Process	12mo,	1 50
Cyanide Processes	12mo,	1 50
Winton's Microscopy of Vegetables Food	8vo,	7 50
Zsigmondy's Colloids and the Ultramicroscope. (Alexander)	Large 12mo,	3 00

CIVIL ENGINEERING.

BRIDGES AND ROOFS. HYDRAULICS. MATERIALS OF ENGINEERING. RAILWAY ENGINEERING.

Baker's Engineers' Surveying Instruments	12mo,	3 00
Bixby's Graphical Computing Table	Paper 19½ × 24¼ inches.	25
Breed and Hosmer's Principles and Practice of Surveying. Vol. I. Elementary Surveying	8vo,	3 00
Vol. II. Higher Surveying	8vo,	2 50
* Burr's Ancient and Modern Engineering and the Isthmian Canal	8vo,	3 50
Comstock's Field Astronomy for Engineers	8vo,	2 50
* Corthell's Allowable Pressure on Deep Foundations	12mo,	1 25
Crandall's Text-book on Geodesy and Least Squares	8vo,	3 00
Davis's Elevation and Stadia Tables	8vo,	1 00
Elliott's Engineering for Land Drainage	12mo,	1 50
Practical Farm Drainage. (Second Edition Rewritten.)	12mo,	1 50
* Fiebeger's Treatise on Civil Engineering	8vo,	5 00
Flemer's Photographic Methods and Instruments	8vo,	5 00
Folwell's Sewerage. (Designing and Maintenance.)	8vo,	3 00
Freitag's Architectural Engineering	8vo,	3 50
Goodhue's Municipal Improvements	12mo,	1 50
* Hauch and Rice's Tables of Quantities for Preliminary Estimates	12mo,	1 25
Hayford's Text-book of Geodetic Astronomy	8vo,	3 00
Hering's Ready Reference Tables (Conversion Factors)	16mo, mor.	2 50
Hosmer's Azimuth	16mo, mor.	1 00
Howe' Retaining Walls for Earth	12mo,	1 25
* Ives's Adjustments of the Engineer's Transit and Level	16mo, bds.	25
Johnson's (J. B.) Theory and Practice of Surveying	Large 12mo,	4 00
Johnson's (L. J.) Statics by Algebraic and Graphic Methods	8vo,	2 00
Kinnicutt, Winslow and Pratt's Purification of Sewage. (In Preparation).		
* Mahan's Descriptive Geometry	8vo,	1 50
Merriman's Elements of Precise Surveying and Geodesy	8vo,	2 50
Merriman and Brooks's Handbook for Surveyors	16mo, mor.	2 00
Nugent's Plane Surveying	8vo,	3 50
Ogden's Sewer Construction	8vo,	3 00
Sewer Design	12mo,	2 00
Parsons's Disposal of Municipal Refuse	8vo,	2 00
Patton's Treatise on Civil Engineering	8vo, half leather,	7 50
Reed's Topographical Drawing and Sketching	4to,	5 00
Rideal's Sewage and the Bacterial Purification of Sewage	8vo,	4 00
Riemer's Shaft-sinking under Difficult Conditions. (Corning and Peele.)	8vo,	3 00
Siebert and Biggin's Modern Stone-cutting and Masonry	8vo,	1 50
Smith's Manual of Topographical Drawing. (McMillan.)	8vo,	2 50
Soper's Air and Ventilation of Subways	12mo,	2 50
* Tracy's Exercises in Surveying	12mo, mor.	1 00
Tracy's Plane Surveying	16mo, mor.	3 00
* Trautwine's Civil Engineer's Pocket-book	16mo, mor.	5 00
Venable's Garbage Crematories in America	8vo,	2 00
Methods and Devices for Bacterial Treatment of Sewage	8vo,	3 00

Wait's Engineering and Architectural Jurisprudence	8vo,	$6 00
	Sheep,	6 50
Law of Contracts	8vo,	3 00
Law of Operations Preliminary to Construction in Engineering and Architecture	8vo,	5 00
	Sheep,	5 50
Warren's Stereotomy—Problems in Stone-cutting	8vo,	2 50
* Waterbury's Vest-Pocket Hand-book of Mathematics for Engineers.	$2\frac{7}{8} \times 5\frac{3}{8}$ inches, mor.	1 00
Webb's Problem's in the Use and Adjustment of Engineering Instruments.	16mo, mor.	1 25
Wilson's Topographic Surveying	8vo,	3 50

BRIDGES AND ROOFS.

Boller's Practical Treatise on the Construction of Iron Highway Bridges.	8vo,	2 00
* Thames River Bridge	Oblong paper,	5 00
Burr and Falk's Design and Construction of Metallic Bridges	8vo,	5 00
Influence Lines for Bridge and Roof Computations	8vo,	3 00
Du Bois's Mechanics of Engineering. Vol. II	Small 4to,	10 00
Foster's Treatise on Wooden Trestle Bridges	4to,	5 00
Fowler's Ordinary Foundations	8vo,	3 50
Greene's Arches in Wood, Iron, and Stone	8vo,	2 50
Bridge Trusses	8vo,	2 50
Roof Trusses	8vo,	1 25
Grimm's Secondary Stresses in Bridge Trusses	8vo,	2 50
Heller's Stresses in Structures and the Accompanying Deformations	8vo,	3 00
Howe's Design of Simple Roof-trusses in Wood and Steel	8vo.	2 00
Symmetrical Masonry Arches	8vo,	2 50
Treatise on Arches	8vo,	4 00
Johnson, Bryan and Turneaure's Theory and Practice in the Designing of Modern Framed Structures	Small 4to,	10 00
Merriman and Jacoby's Text-book on Roofs and Bridges:		
Part I. Stresses in Simple Trusses	8vo,	2 50
Part II. Graphic Statics	8vo,	2 50
Part III. Bridge Design	8vo,	2 50
Part IV. Higher Structures	8vo,	2 50
Morison's Memphis Bridge	Oblong 4to,	10 00
Sondericker's Graphic Statics, with Applications to Trusses, Beams, and Arches	8vo,	2 00
Waddell's De Pontibus, Pocket-book for Bridge Engineers	16mo, mor.	2 00
* Specifications for Steel Bridges	12mo,	50
Waddell and Harringtoon's Bridge Engineering. (In Preparation.)		
Wright's Designing of Draw-spans. Two parts in one volume	8vo,	3 50

HYDRAULICS.

Barnes's Ice Formation	8vo,	3 00
Bazin's Experiments upon the Contraction of the Liquid Vein Issuing from an Orifice. (Trautwine.)	8vo,	2 00
Bovey's Treatise on Hydraulics	8vo,	5 00
Church's Diagrams of Mean Velocity of Water in Open Channels.	Oblong 4to, paper,	1 50
Hydraulic Motors	8vo,	2 00
Coffin's Graphical Solution of Hydraulic Problems	16mo, mor.	2 50
Flather's Dynamometers, and the Measurement of Power	12mo,	3 00
Folwell's Water-supply Engineering	8vo,	4 00
Frizell's Water-power	8vo,	5 00
Fuertes's Water and Public Health	12mo,	1 50
Water-filtration Works	12mo,	2 50
Ganguillet and Kutter's General Formula for the Uniform Flow of Water in Rivers and Other Channels. (Hering and Trautwine.)	8vo,	4 00

Hazen's Clean Water and How to Get It	Large 12mo,	$1 50
Filtration of Public Water-supplies	8vo,	3 00
Hazelhurst's Towers and Tanks for Water-works	8vo,	2 50
Herschel's 115 Experiments on the Carrying Capacity of Large, Riveted, Metal Conduits	8vo,	2 00
Hoyt and Grover's River Discharge	8vo,	2 00
Hubbard and Kiersted's Water-works Management and Maintenance.	8vo,	4 00
* Lyndon's Development and Electrical Distribution of Water Power.	8vo,	3 00
Mason's Water-supply. (Considered Principally from a Sanitary Standpoint.)	8vo,	4 00
Merriman's Treatise on Hydraulics	8vo,	5 00
* Molitor's Hydraulics of Rivers, Weirs and Sluices	8vo,	2 00
* Richards's Laboratory Notes on Industrial Water Analysis	8vo,	50
Schuyler's Reservoirs for Irrigation, Water-power, and Domestic Water-supply. Second Edition, Revised and Enlarged	Large 8vo,	6 00
* Thomas and Watt's Improvement of Rivers	4to,	6 00
Turneaure and Russell's Public Water-supplies	8vo,	5 00
Wegmann's Design and Construction of Dams. 5th Ed., enlarged	4to,	6 00
Water-Supply of the City of New York from 1658 to 1895	4to,	10 00
Whipple's Value of Pure Water	Large 12mo,	1 00
Williams and Hazen's Hydraulic Tables	8vo,	1 50
Wilson's Irrigation Engineering	8vo,	4 00
Wood's Turbines	8vo,	2 50

MATERIALS OF ENGINEERING.

Baker's Roads and Pavements	8vo,	5 00
Treatise on Masonry Construction	8vo,	5 00
Black's United States Public Works	Oblong 4to,	5 00
Blanchard's Bituminous Roads. (In Press.)		
Bleininger's Manufacture of Hydraulic Cement. (In Preparation.)		
* Bovey's Strength of Materials and Theory of Structures	8vo,	7 50
Burr's Elasticity and Resistance of the Materials of Engineering	8vo,	7 50
Byrne's Highway Construction	8vo,	5 00
Inspection of the Materials and Workmanship Employed in Construction.	16mo,	3 00
Church's Mechanics of Engineering	8vo,	6 00
Du Bois's Mechanics of Engineering.		
Vol. I. Kinematics, Statics, Kinetics	Small 4to,	7 50
Vol. II. The Stresses in Framed Structures, Strength of Materials and Theory of Flexures	Small 4to,	10 00
* Eckel's Cements, Limes, and Plasters	8vo,	6 00
Stone and Clay Products used in Engineering. (In Preparation.)		
Fowler's Ordinary Foundations	8vo,	3 50
* Greene's Structural Mechanics	8vo,	2 50
* Holley's Lead and Zinc Pigments	Large 12mo,	3 00
Holley and Ladd's Analysis of Mixed Paints, Color Pigments and Varnishes.	Large 12mo,	2 50
Johnson's (C. M.) Rapid Methods for the Chemical Analysis of Special Steels, Steel-making Alloys and Graphite	Large 12mo,	3 00
Johnson's (J. B.) Materials of Construction	Large 8vo,	6 00
Keep's Cast Iron	8vo,	2 50
Lanza's Applied Mechanics	8vo,	7 50
Maire's Modern Pigments and their Vehicles	12mo,	2 00
Martens's Handbook on Testing Materials. (Henning.) 2 vols	8vo,	7 50
Maurer's Technical Mechanics	8vo,	4 00
Merrill's Stones for Building and Decoration	8vo,	5 00
Merriman's Mechanics of Materials	8vo,	5 00
* Strength of Materials	12mo,	1 00
Metcalf's Steel. A Manual for Steel-users	12mo,	2 00
Morrison's Highway Engineering	8vo,	2 50
Patton's Practical Treatise on Foundations	8vo,	5 00
Rice's Concrete Block Manufacture	8vo,	2 00

Richardson's Modern Asphalt Pavements	8vo,	$3 00
Richey's Building Foreman's Pocket Book and Ready Reference	16mo, mor.	5 00
* Cement Workers' and Plasterers' Edition (Building Mechanics' Ready Reference Series)	16mo, mor.	1 50
Handbook for Superintendents of Construction	16mo, mor.	4 00
* Stone and Brick Masons' Edition (Building Mechanics' Ready Reference Series)	16mo, mor.	1 50
* Ries's Clays: Their Occurrence, Properties, and Uses	8vo,	5 00
* Ries and Leighton's History of the Clay-working Industry of the United States	8vo.	2 50
Sabin's Industrial and Artistic Technology of Paint and Varnish	8vo,	3 00
Smith's Strength of Material	12mo,	
Snow's Principal Species of Wood	8vo,	3 50
Spalding's Hydraulic Cement	12mo,	2 00
Text-book on Roads and Pavements	12mo,	2 00
Taylor and Thompson's Treatise on Concrete, Plain and Reinforced	8vo,	5 00
Thurston's Materials of Engineering. In Three Parts	8vo,	8 00
Part I. Non-metallic Materials of Engineering and Metallurgy	8vo,	2 00
Part II. Iron and Steel	8vo,	3 50
Part III. A Treatise on Brasses, Bronzes, and Other Alloys and their Constituents	8vo,	2 50
Tillson's Street Pavements and Paving Materials	8vo,	4 00
Turneaure and Maurer's Principles of Reinforced Concrete Construction. Second Edition, Revised and Enlarged	8vo,	3 50
Waterbury's Cement Laboratory Manual	12mo,	1 00
Wood's (De V.) Treatise on the Resistance of Materials, and an Appendix on the Preservation of Timber	8vo,	2 00
Wood's (M. P.) Rustless Coatings: Corrosion and Electrolysis of Iron and Steel	8vo,	4 00

RAILWAY ENGINEERING.

Andrews's Handbook for Street Railway Engineers	3×5 inches, mor.	1 25
Berg's Buildings and Structures of American Railroads	4to,	5 00
Brooks's Handbook of Street Railroad Location	16mo, mor.	1 50
Butts's Civil Engineer's Field-book	16mo, mor.	2 50
Crandall's Railway and Other Earthwork Tables	8vo,	1 50
Transition Curve	16mo, mor.	1 50
* Crockett's Methods for Earthwork Computations	8vo,	1 50
Dredge's History of the Pennsylvania Railroad. (1879)	Paper	5 00
Fisher's Table of Cubic Yards	Cardboard,	25
Godwin's Railroad Engineers' Field-book and Explorers' Guide	16mo, mor.	2 50
Hudson's Tables for Calculating the Cubic Contents of Excavations and Embankments	8vo,	1 00
Ives and Hilts's Problems in Surveying, Railroad Surveying and Geodesy	16mo, mor.	1 50
Molitor and Beard's Manual for Resident Engineers	16mo,	1 00
Nagle's Field Manual for Railroad Engineers	16mo, mor.	3 00
* Orrock's Railroad Structures and Estimates	8vo,	3 00
Philbrick's Field Manual for Engineers	16mo, mor.	3 00
Raymond's Railroad Engineering. 3 volumes.		
Vol. I. Railroad Field Geometry. (In Preparation.)		
Vol. II. Elements of Railroad Engineering	8vo,	3 50
Vol. III. Railroad Engineer's Field Book. (In Preparation.)		
Searles's Field Engineering	16mo, mor.	3 00
Railroad Spiral	16mo, mor.	1 50
Taylor's Prismoidal Formulæ and Earthwork	8vo,	1 50
* Trautwine's Field Practice of Laying Out Circular Curves for Railroads.	12mo, mor.	2 50
* Method of Calculating the Cubic Contents of Excavations and Embankments by the Aid of Diagrams	8vo,	2 00
Webb's Economics of Railroad Construction	Large 12mo,	2 50
Railroad Construction	16mo, mor.	5 00
Wellington's Economic Theory of the Location of Railways	Large 12mo,	5 00
Wilson's Elements of Railroad-Track and Construction	12mo,	2 00

DRAWING.

Barr's Kinematics of Machinery	8vo,	$2 50
* Bartlett's Mechanical Drawing	8vo,	3 00
* " " " Abridged Ed.	8vo,	1 50
Coolidge's Manual of Drawing	8vo. paper,	1 00
Coolidge and Freeman's Elements of General Drafting for Mechanical Engineers	Oblong 4to,	2 50
Durley's Kinematics of Machines	8vo,	4 00
Emch's Introduction to Projective Geometry and its Application	8vo,	2 50
French and Ives' Stereotomy	8vo,	2 50
Hill's Text-book on Shades and Shadows, and Perspective	8vo,	2 00
Jamison's Advanced Mechanical Drawing	8vo,	2 00
Elements of Mechanical Drawing	8vo,	2 50
Jones's Machine Design:		
Part I. Kinematics of Machinery	8vo,	1 50
Part II. Form, Strength, and Proportions of Parts	8vo,	3 00
Kimball and Barr's Machine Design. (In Press.)		
MacCord's Elements of Descritpive Geometry	8vo,	3 00
Kinematics; or, Practical Mechanism	8vo,	5 00
Mechanical Drawing	4to,	4 00
Velocity Diagrams	8vo,	1 50
McLeod's Descriptive Geometry	Large 12mo,	1 50
* Mahan's Descriptive Geometry and Stone-cutting	8vo,	1 50
Industrial Drawing. (Thompson.)	8vo,	3 50
Moyer's Descriptive Geometry	8vo,	2 00
Reed's Topographical Drawing and Sketching	4to,	5 00
Reid's Course in Mechanical Drawing	8vo,	2 00
Text-book of Mechanical Drawing and Elementary Machine Design.	8vo,	3 00
Robinson's Principles of Mechanism	8vo,	3 00
Schwamb and Merrill's Elements of Mechanism	8vo,	3 00
Smith (A. W.) and Marx's Machine Design	8vo,	3 00
Smith's (R. S.) Manual of Topographical Drawing. (McMillan)	8vo,	2 50
* Titsworth's Elements of Mechanical Drawing	Oblong 8vo,	1 25
Warren's Drafting Instruments and Operations	12mo,	1 25
Elements of Descriptive Geometry, Shadows, and Perspective	8vo,	3 50
Elements of Machine Construction and Drawing	8vo,	7 50
Elements of Plane and Solid Free-hand Geometrical Drawing	12mo,	1 00
General Problems of Shades and Shadows	8vo,	3 00
Manual of Elementary Problems in the Linear Perspective of Forms and Shadow	12mo,	1 00
Manual of Elementary Projection Drawing	12mo,	1 50
Plane Problems in Elementary Geometry	12mo,	1 25
Problems, Theorems, and Examples in Descriptive Geometry	8vo,	2 50
Weisbach's Kinematics and Power of Transmission. (Hermann and Klein.)	8vo,	5 00
Wilson's (H. M.) Topographic Surveying	8vo,	3 50
* Wilson's (V. T.) Descriptive Geometry	8vo,	1 50
Free-hand Lettering	8vo,	1 00
Free-hand Perspective	8vo,	2 50
Woolf's Elementary Course in Descriptive Geometry	Large 8vo,	3 00

ELECTRICITY AND PHYSICS.

* Abegg's Theory of Electrolytic Dissociation. (von Ende.)	12mo,	1 25
Andrews's Hand-book for Street Railway Engineering	3×5 inches, mor.	1 25
Anthony and Brackett's Text-book of Physics. (Magie.)	Large 12mo,	3 00
Anthony and Ball's Lecture-notes on the Theory of Electrical Measurements	12mo,	1 00
Benjamin's History of Electricity	8vo,	3 00
Voltaic Cell	8vo,	3 00

Betts's Lead Refining and Electrolysis	8vo,	$4 00
Classen's Quantitative Chemical Analysis by Electrolysis. (Boltwood.)	8vo,	3 00
* Collins's Manual of Wireless Telegraphy and Telephony	12mo,	1 50
Crehore and Squier's Polarizing Photo-chronograph	8vo,	3 00
* Danneel's Electrochemistry. (Merriam.)	12mo,	1 25
Dawson's "Engineering" and Electric Traction Pocket-book	16mo, mor.	5 00
Dolezalek's Theory of the Lead Accumulator (Storage Battery). (von Ende.)	12mo,	2 50
Duhem's Thermodynamics and Chemistry. (Burgess.)	8vo,	4 00
Flather's Dynamometers, and the Measurement of Power	12mo,	3 00
Getman's Introduction to Physical Science	12mo,	
Gilbert's De Magnete. (Mottelay)	8vo,	2 50
* Hanchett's Alternating Currents	12mo	1 00
Hering's Ready Reference Tables (Conversion Factors)	16mo, mor.	2 50
* Hobart and Ellis's High-speed Dynamo Electric Machinery	8vo,	6 00
Holman's Precision of Measurements	8vo,	2 00
Telescopic Mirror-scale Method, Adjustments, and Tests	Large 8vo,	75
* Karapetoff's Experimental Electrical Engineering	8vo,	6 00
Kinzbrunner's Testing of Continuous-current Machines	8vo,	2 00
Landauer's Spectrum Analysis. (Tingle.)	8vo,	3 00
Le Chatelier's High-temperature Measurements. (Boudouard—Burgess.)	12mo,	3 00
Löb's Electrochemistry of Organic Compounds. (Lorenz)	8vo,	3 00
* Lyndon's Development and Electrical Distribution of Water Power	8vo,	3 00
* Lyons's Treatise on Electromagnetic Phenomena. Vols, I .and II.	8vo, each,	6 00
* Michie's Elements of Wave Motion Relating to Sound and Light	8vo,	4 00
Morgan's Outline of the Theory of Solution and its Results	12mo,	1 00
* Physical Chemistry for Electrical Engineers	12mo,	1 50
* Norris's Introduction to the Study of Electrical Engineering	8vo,	2 50
Norris and Dennison's Course of Problems on the Electrical Characteristics of Circuits and Machines. (In Press.)		
* Parshall and Hobart's Electric Machine Design	4to, half mor,	12 50
Reagan's Locomotives: Simple, Compound, and Electric. New Edition.	Large 12mo,	3 50
* Rosenberg's Electrical Engineering. (Haldane Gee—Kinzbrunner.)	8vo,	2 00
Ryan, Norris, and Hoxie's Electrical Machinery. Vol. I.	8vo,	2 50
Schapper's Laboratory Guide for Students in Physical Chemistry	12mo,	1 00
* Tillman's Elementary Lessons in Heat	8vo,	1 50
Tory and Pitcher's Manual of Laboratory Physics	Large 12mo,	2 00
Ulke's Modern Electrolytic Copper Refining	8vo,	3 00

LAW.

* Brennan's Hand-book of Useful Legal Information for Business Men.	16mo, mor.	5 00
* Davis's Elements of Law	8vo,	2 50
* Treatise on the Military Law of United States	8vo,	7 00
* Dudley's Military Law and the Procedure of Courts-martial	Large 12mo,	2 50
Manual for Courts-martial	16mo, mor.	1 50
Wait's Engineering and Architectural Jurisprudence	8vo,	6 00
	Sheep,	6 50
Law of Contracts	8vo,	3 00
Law of Operations Preliminary to Construction in Engineering and Architecture	8vo,	5 00
	Sheep,	5 50

MATHEMATICS.

Baker's Elliptic Functions	8vo,	1 50
Briggs's Elements of Plane Analytic Geometry. (Bôcher)	12mo,	1 00
* Buchanan's Plane and Spherical Trigonometry	8vo,	1 00

Byerley's Harmonic Functions	8vo,	$1 00
Chandler's Elements of the Infinitesimal Calculus	12mo,	2 00
* Coffin's Vector Analysis	12mo,	2 50
Compton's Manual of Logarithmic Computations	12mo,	1 50
* Dickson's College Algebra	Large 12mo,	1 50
* Introduction to the Theory of Algebraic Equations	Large 12mo,	1 25
Emch's Introduction to Projective Geometry and its Application	8vo,	2 50
Fiske's Functions of a Complex Variable	8vo,	1 00
Halsted's Elementary Synthetic Geometry	8vo,	1 50
Elements of Geometry	8vo,	1 75
* Rational Geometry	12mo,	1 50
Synthetic Projective Geometry	8vo,	1 00
Hyde's Grassmann's Space Analysis	8vo,	1 00
* Johnson's (J. B.) Three-place Logarithmic Tables: Vest-pocket size, paper,		15
	*100 copies,	5 00
* Mounted on heavy cardboard, 8 × 10 inches,		25
	*10 copies,	2 00
Johnson's (W. W.) Abridged Editions of Differential and Integral Calculus.	Large 12mo, 1 vol.	2 50
Curve Tracing in Cartesian Co-ordinates	12mo,	1 00
Differential Equations	8vo,	1 00
Elementary Treatise on Differential Calculus	Large 12mo,	1 50
Elementary Treatise on the Integral Calculus	Large 12mo,	1 50
* Theoretical Mechanics	12mo,	3 00
Theory of Errors and the Method of Least Squares	12mo,	1 50
Treatise on Differential Calculus	Large 12mo,	3 00
Treatise on the Integral Calculus	Large 12mo,	3 00
Treatise on Ordinary and Partial Differential Equations	Large 12mo,	3 50
Karapetoff's Engineering Applications of Higher Mathematics.	(In Preparation.)	
Laplace's Philosophical Essay on Probabilities. (Truscott and Emory.)	12mo,	2 00
* Ludlow and Bass's Elements of Trigonometry and Logarithmic and Other Tables	8vo,	3 00
* Trigonometry and Tables published separately	Each,	2 00
* Ludlow's Logarithmic and Trigonometric Tables	8vo,	1 00
Macfarlane's Vector Analysis and Quaternions	8vo,	1 00
McMahon's Hyperbolic Functions	8vo,	1 00
Manning's Irrational Numbers and their Representation by Sequences and Series	12mo,	1 25
Mathematical Monographs. Edited by Mansfield Merriman and Robert S. Woodward	Octavo, each	1 00
No. 1. History of Modern Mathematics, by David Eugene Smith. No. 2. Synthetic Projective Geometry, by George Bruce Halsted. No. 3. Determinants, by Laenas Gifford Weld. No. 4. Hyperbolic Functions, by James McMahon. No. 5. Harmonic Functions, by William E. Byerly. No. 6. Grassmann's Space Analysis, by Edward W. Hyde. No. 7. Probability and Theory of Errors, by Robert S. Woodward. No. 8. Vector Analysis and Quaternions, by Alexander Macfarlane. No. 9. Differential Equations, by William Woolsey Johnson. No. 10. The Solution of Equations, by Mansfield Merriman. No. 11. Functions of a Complex Variable, by Thomas S. Fiske.		
Maurer's Technical Mechanics	8vo,	4 00
Merriman's Method of Least Squares	8vo,	2 00
Solution of Equations	8vo,	1 00
Rice and Johnson's Differential and Integral Calculus. 2 vols. in one.	Large 12mo,	1 50
Elementary Treatise on the Differential Calculus	Large 12mo,	3 00
Smith's History of Modern Mathematics	8vo,	1 00
* Veblen and Lennes's Introduction to the Real Infinitesimal Analysis of One Variable	8vo,	2 00
* Waterbury's Vest Pocket Hand-book of Mathematics for Engineers	$2\frac{7}{8} \times 5\frac{3}{8}$ inches, mor.	1 00
Weld's Determinants	8vo,	1 00
Wood's Elements of Co-ordinate Geometry	8vo,	2 00
Woodward's Probability and Theory of Errors	8vo,	1 00

MECHANICAL ENGINEERING.

MATERIALS OF ENGINEERING, STEAM-ENGINES AND BOILERS.

Bacon's Forge Practice.	12mo,	$1 50
Baldwin's Steam Heating for Buildings.	12mo,	2 50
Barr's Kinematics of Machinery.	8vo,	2 50
* Bartlett's Mechanical Drawing.	8vo,	3 00
* " " " Abridged Ed.	8vo,	1 50
* Burr's Ancient and Modern Engineering and the Isthmian Canal.	8vo,	3 50
Carpenter's Experimental Engineering.	8vo,	6 00
Heating and Ventilating Buildings.	8vo,	4 00
Clerk's Gas and Oil Engine. (New edition in press.)		
Compton's First Lessons in Metal Working.	12mo,	1 50
Compton and De Groodt's Speed Lathe.	12mo,	1 50
Coolidge's Manual of Drawing.	8vo, paper,	1 00
Coolidge and Freeman's Elements of Geenral Drafting for Mechanical Engineers.	Oblong 4to,	2 50
Cromwell's Treatise on Belts and Pulleys.	12mo,	1 50
Treatise on Toothed Gearing.	12mo,	1 50
Dingey's Machinery Pattern Making.	12mo,	2 00
Durley's Kinematics of Machines.	8vo,	4 00
Flanders's Gear-cutting Machinery.	Large 12mo,	3 00
Flather's Dynamometers and the Measurement of Power.	12mo,	3 00
Rope Driving.	12mo,	2 00
Gill's Gas and Fuel Analysis for Engineers.	12mo,	1 25
Goss's Locomotive Sparks.	8vo,	2 00
Greene's Pumping Machinery. (In Preparation.)		
Hering's Ready Reference Tables (Conversion Factors).	16mo, mor.	2 50
* Hobart and Ellis's High Speed Dynamo Electric Machinery.	8vo,	6 00
Hutton's Gas Engine.	8vo,	5 00
Jamison's Advanced Mechanical Drawing.	8vo,	2 00
Elements of Mechanical Drawing.	8vo,	2 50
Jones's Gas Engine.	8vo,	4 00
Machine Design.		
Part I. Kinematics of Machinery.	8vo,	1 50
Part II. Form, Strength, and Proportions of Parts.	8vo,	3 00
Kent's Mechanical Engineer's Pocket-Book.	16mo, mor.	5 00
Kerr's Power and Power Transmission.	8vo,	2 00
Kimball and Barr's Machine Design. (In Press.)		
Levin's Gas Engine. (In Press.)	8vo,	
Leonard's Machine Shop Tools and Methods.	8vo,	4 00
* Lorenz's Modern Refrigerating Machinery. (Pope, Haven, and Dean).	8vo,	4 00
MacCord's Kinematics; or, Practical Mechanism.	8vo,	5 00
Mechanical Drawing.	4to,	4 00
Velocity Diagrams.	8vo,	1 50
MacFarland's Standard Reduction Factors for Gases.	8vo,	1 50
Mahan's Industrial Drawing. (Thompson.).	8vo,	3 50
Mehrtens's Gas Engine Theory and Design.	Large 12mo,	2 50
Oberg's Handbook of Small Tools.	Large 12mo,	3 00
* Parshall and Hobart's Electric Machine Design.	Small 4to, half leather,	12 50
Peele's Compressed Air Plant for Mines.	8vo,	3 00
Poole's Calorific Power of Fuels.	8vo,	3 00
* Porter's Engineering Reminiscences, 1855 to 1882.	8vo,	3 00
Reid's Course in Mechanical Drawing.	8vo,	2 00
Text-book of Mechanical Drawing and Elementary Machine Design.	8vo,	3 00
Richards's Compressed Air.	12mo,	1 50
Robinson's Principles of Mechanism.	8vo,	3 00
Schwamb and Merrill's Elements of Mechanism.	8vo,	3 00
Smith (A. W.) and Marx's Machine Design.	8vo,	3 00
Smith's (O.) Press-working of Metals.	8vo,	3 00
Sorel's Carbureting and Combustion in Alcohol Engines. (Woodward and Preston.).	Large 12mo,	3 00
Stone's Practical Testing of Gas and Gas Meters.	8vo,	3 50

Thurston's Animal as a Machine and Prime Motor, and the Laws of Energetics.	12mo,	$1 00
Treatise on Friction and Lost Work in Machinery and Mill Work	8vo,	3 00
* Tillson's Complete Automobile Instructor	16mo,	1 50
* Titsworth's Elements of Mechanical Drawing	Oblong 8vo,	1 25
Warren's Elements of Machine Construction and Drawing	8vo,	7 50
* Waterbury's Vest Pocket Hand-book of Mathematics for Engineers.	$2\frac{7}{8} \times 5\frac{3}{8}$ inches, mor.	1 00
Weisbach's Kinematics and the Power of Transmission. (Herrmann—Klein.)	8vo,	5 00
Machinery of Transmission and Governors. (Hermann—Klein.)	8vo,	5 00
Wood's Turbines	8vo,	2 50

MATERIALS OF ENGINEERING.

* Bovey's Strength of Materials and Theory of Structures	8vo,	7 50
Burr's Elasticity and Resistance of the Materials of Engineering	8vo,	7 50
Church's Mechanics of Engineering	8vo,	6 00
* Greene's Structural Mechanics	8vo,	2 50
* Holley's Lead and Zinc Pigments	Large 12mo	3 00
Holley and Ladd's Analysis of Mixed Paints, Color Pigments, and Varnishes.	Large 12mo,	2 50
Johnson's (C. M.) Rapid Methods for the Chemical Analysis of Special Steels, Steel-Making Alloys and Graphite	Large 12mo,	3 00
Johnson's (J. B.) Materials of Construction	8vo,	6 00
Keep's Cast Iron	8vo,	2 50
Lanza's Applied Mechanics	8vo,	7 50
Maire's Modern Pigments and their Vehicles	12mo,	2 00
Martens's Handbook on Testing Materials. (Henning.)	8vo,	7 50
Maurer's Techincal Mechanics	8vo,	4 00
Merriman s Mechanics of Materials	8vo,	5 00
* Strength of Materials	12mo,	1 00
Metcalf's Steel. A Manual for Steel-users	12mo,	2 00
Sabin's Industrial and Artistic Technology of Paint and Varnish	8vo,	3 00
Smith's ((A. W.) Materials of Machines	12mo,	1 00
Smith's (H. E.) Strength of Material	12mo,	
Thurston's Materials of Engineering	3 vols., 8vo,	8 00
Part I. Non-metallic Materials of Engineering,	8vo,	2 00
Part II. Iron and Steel	8vo,	3 50
Part III. A Treatise on Brasses, Bronzes, and Other Alloys and their Constituents	8vo,	2 50
Wood's (De V.) Elements of Analytical Mechanics	8vo,	3 00
Treatise on the Resistance of Materials and an Appendix on the Preservation of Timber	8vo,	2 00
Wood's (M. P.) Rustless Coatings· Corrosion and Electrolysis of Iron and Steel	8vo,	4 00

STEAM-ENGINES AND BOILERS.

Berry's Temperature-entropy Diagram	12mo,	2 00
Carnot's Reflections on the Motive Power of Heat. (Thurston.)	12mo,	1 50
Chase's Art of Pattern Making	12mo,	2 50
Creighton's Steam-engine and other Heat Motors	8vo,	5 00
Dawson's "Engineering" and Electric Traction Pocket-book	16mo, mor.	5 00
Ford's Boiler Making for Boiler Makers	18mo,	1 00
* Gebhardt's Steam Power Plant Engineering	8vo,	6 00
Goss's Locomotive Performance	8vo,	5 00
Hemenway's Indicator Practice and Steam-engine Economy	12mo,	2 00
Hutton's Heat and Heat-engines	8vo,	5 00
Mechanical Engineering of Power Plants	8vo,	5 00
Kent's Steam boiler Economy	8vo,	4 00

Kneass's Practice and Theory of the Injector	8vo,	$1 50
MacCord's Slide-valves	8vo,	2 00
Meyer's Modern Locomotive Construction	4to,	10 00
Moyer's Steam Turbine	8vo,	4 00
Peabody's Manual of the Steam-engine Indicator	12mo,	1 50
Tables of the Properties of Steam and Other Vapors and Temperature-Entropy Table	8vo,	1 00
Thermodynamics of the Steam-engine and Other Heat-engines	8vo,	5 00
Valve-gears for Steam-engines	8vo,	2 50
Peabody and Miller's Steam-boilers	8vo,	4 00
Pupin's Thermodynamics of Reversible Cycles in Gases and Saturated Vapors. (Osterberg.)	12mo,	1 25
Reagan's Locomotives: Simple, Compound, and Electric. New Edition.	Large 12mo,	3 50
Sinclair's Locomotive Engine Running and Management	12mo,	2 00
Smart's Handbook of Engineering Laboratory Practice	12mo,	2 50
Snow's Steam-boiler Practice	8vo,	3 00
Spangler's Notes on Thermodynamics	12mo,	1 00
Valve-gears	8vo,	2 50
Spangler, Greene, and Marshall's Elements of Steam-engineering	8vo,	3 00
Thomas's Steam-turbines	8vo,	4 00
Thurston's Handbook of Engine and Boiler Trials, and the Use of the Indicator and the Prony Brake	8vo,	5 00
Handy Tables	8vo,	1 50
Manual of Steam-boilers, their Designs, Construction, and Operation	8vo,	5 00
Manual of the Steam-engine	2vols., 8vo,	10 00
Part I. History, Structure, and Theory	8vo,	6 00
Part II. Design, Construction, and Operation	8vo,	6 00
Steam-boiler Explosions in Theory and in Practice	12mo,	1 50
Wehrenfennig's Analysis and Softening of Boiler Feed-water. (Patterson).	8vo,	4 00
Weisbach's Heat, Steam, and Steam-engines. (Du Bois.)	8vo,	5 00
Whitham's Steam-engine Design	8vo,	5 00
Wood's Thermodynamics, Heat Motors, and Refrigerating Machines	8vo,	4 00

MECHANICS PURE AND APPLIED.

Church's Mechanics of Engineering	8vo,	6 00
Notes and Examples in Mechanics	8vo,	2 00
Dana's Text-book of Elementary Mechanics for Colleges and Schools	12mo,	1 50
Du Bois's Elementary Principles of Mechanics:		
Vol. I. Kinematics	8vo,	3 50
Vol. II. Statics	8vo,	4 00
Mechanics of Engineering. Vol. I.	Small 4to,	7 50
Vol. II.	Small 4to,	10 00
* Greene's Structural Mechanics	8vo,	2 50
James's Kinematics of a Point and the Rational Mechanics of a Particle.	Large 12mo,	2 00
* Johnson's (W. W.) Theoretical Mechanics	12mo,	3 00
Lanza's Applied Mechanics	8vo,	7 50
* Martin's Text Book on Mechanics, Vol. I, Statics	12mo,	1 25
* Vol. II, Kinematics and Kinetics	12mo,	1 50
Maurer's Technical Mechanics	8vo,	4 00
* Merriman's Elements of Mechanics	12mo,	1 00
Mechanics of Materials	8vo,	5 00
* Michie's Elements of Analytical Mechanics	8vo,	4 00
Robinson's Principles of Mechanism	8vo,	3 00
Sanborn's Mechanics Problems	Large 12mo,	1 50
Schwamb and Merrill's Elements of Mechanism	8vo,	3 00
Wood's Elements of Analytical Mechanics	8vo,	3 00
Principles of Elementary Mechanics	12mo,	1 25

MEDICAL.

* Abderhalden's Physiological Chemistry in Thirty Lectures. (Hall and Defren.)	8vo,	$5 00
von Behring's Suppression of Tuberculosis. (Bolduan.)	12mo,	1 00
Bolduan's Immune Sera	12mo,	1 50
Bordet's Studies in Immunity. (Gay). (In Press.)	8vo,	
Davenport's Statistical Methods with Special Reference to Biological Variations	16mo, mor.	1 50
Ehrlich's Collected Studies on Immunity. (Bolduan.)	8vo,	6 00
* Fischer's Physiology of Alimentation	Large 12mo,	2 00
de Fursac's Manual of Psychiatry. (Rosanoff and Collins.)	Large 12mo,	2 50
Hammarsten's Text-book on Physiological Chemistry. (Mandel.)	8vo,	4 00
Jackson's Directions for Laboratory Work in Physiological Chemistry	8vo,	1 25
Lassar-Cohn's Practical Urinary Analysis. (Lorenz.)	12mo,	1 00
Mandel's Hand-book for the Bio-Chemical Laboratory	12mo,	1 50
* Pauli's Physical Chemistry in the Service of Medicine. (Fischer.)	12mo,	1 25
* Pozzi-Escot's Toxins and Venoms and their Antibodies. (Cohn.)	12mo,	1 00
Rostoski's Serum Diagnosis. (Bolduan.)	12mo,	1 00
Ruddiman's Incompatibilities in Prescriptions	8vo,	2 00
Whys in Pharmacy	12mo,	1 00
Salkowski's Physiological and Pathological Chemistry. (Orndorff.)	8vo,	2 50
* Satterlee's Outlines of Human Embryology	12mo,	1 25
Smith's Lecture Notes on Chemistry for Dental Students	8vo,	2 50
* Whipple's Tyhpoid Fever	Large 12mo,	3 00
Woodhull's Notes on Military Hygiene	16mo,	1 50
* Personal Hygiene	12mo,	1 00
Worcester and Atkinson's Small Hospitals Establishment and Maintenance, and Suggestions for Hospital Architecture, with Plans for a Small Hospital	12mo,	1 25

METALLURGY.

Betts's Lead Refining by Electrolysis	8vo,	4 00
Bolland's Encyclopedia of Founding and Dictionary of Foundry Terms used in the Practice of Moulding	12mo,	3 00
Iron Founder	12mo,	2 50
" " Supplement	12mo,	2 50
Douglas's Untechnical Addresses on Technical Subjects	12mo,	1 00
Goesel's Minerals and Metals: A Reference Book	16mo, mor.	3 00
* Iles's Lead-smelting	12mo,	2 50
Johnson's Rapid Methods for the Chemical Analysis of Special Steels, Steel-making Alloys and Graphite	Large 12mo,	3 00
Keep's Cast Iron	8vo,	2 50
Le Chatelier's High-temperature Measurements. (Boudouard—Burgess.)	12mo,	3 00
Metcalf's Steel. A Manual for Steel-users	12mo,	2 00
Minet's Production of Aluminum and its Industrial Use. (Waldo.)	12mo,	2 50
Ruer's Elements of Metallography. (Mathewson)	8vo,	
Smith's Materials of Machines	12mo,	1 00
Tate and Stone's Foundry Practice	12mo,	2 00
Thurston's Materials of Engineering. In Three Parts	8vo,	8 00
Part I. Non-metallic Materials of Engineering, see Civil Engineering, page 9.		
Part II. Iron and Steel	8vo,	3 50
Part III. A Treatise on Brasses, Bronzes, and Other Alloys and their Constituents	8vo,	2 50
Ulke's Modern Electrolytic Copper Refining	8vo,	3 00
West's American Foundry Practice	12mo,	2 50
Moulders' Text Book	12mo,	2 50

MINERALOGY.

Baskerville's Chemical Elements. (In Preparation.).		
Boyd's Map of Southwest Virginia	Pocket-book form.	$2 00
* Browning's Introduction to the Rarer Elements	8vo,	1 50
Brush's Manual of Determinative Mineralogy. (Penfield.)	8vo,	4 00
Butler's Pocket Hand-book of Minerals	16mo, mor.	3 00
Chester's Catalogue of Minerals	8vo, paper,	1 00
	Cloth,	1 25
* Crane's Gold and Silver	8vo,	5 00
Dana's First Appendix to Dana's New "System of Mineralogy"	Large 8vo,	1 00
Dana's Second Appendix to Dana's New "System of Mineralogy."	Large 8vo,	
Manual of Mineralogy and Petrography	12mo,	2 00
Minerals and How to Study Them	12mo,	1 50
System of Mineralogy	Large 8vo, half leather,	12 50
Text-book of Mineralogy	8vo,	4 00
Douglas's Untechnical Addresses on Technical Subjects	12mo,	1 00
Eakle's Mineral Tables	8vo,	1 25
Eckel's Stone and Clay Products Used in Engineering. (In Preparation).		
Goesel's Minerals and Metals: A Reference Book	16mo, mor.	3 00
Groth's Introduction to Chemical Crystallography (Marshall)	12mo,	1 25
* Hayes's Handbook for Field Geologists	16mo, mor.	1 50
Iddings's Igneous Rocks	8vo,	5 00
Rock Minerals	8vo,	5 00
Johannsen's Determination of Rock-forming Minerals in Thin Sections.	8vo, With Thumb Index	5 00
* Martin's Laboratory Guide to Qualitative Analysis with the Blowpipe	12mo,	60
Merrill's Non-metallic Minerals. Their Occurrence and Uses	8vo,	4 00
Stones for Building and Decoration	8vo,	5 00
* Penfield's Notes on Determinative Mineralogy and Record of Mineral Tests.	8vo, paper,	50
Tables of Minerals, Including the Use of Minerals and Statistics of Domestic Production	8vo,	1 00
* Pirsson's Rocks and Rock Minerals	12mo,	2 50
* Richards's Synopsis of Mineral Characters	12mo, mor.	1 25
* Ries's Clays: Their Occurrence, Properties and Uses	8vo,	5 00
* Ries and Leighton's History of the Clay-working Industry of the United States	8vo,	2 50
* Tillman's Text-book of Important Minerals and Rocks	8vo.	2 00
Washington's Manual of the Chemical Analysis of Rocks	8vo,	2 00

MINING.

* Beard's Mine Gases and Explosions	Large 12mo,	3 00
Boyd's Map of Southwest Virginia	Pocket-book form,	2 00
* Crane's Gold and Silver	8vo	5 00
* Index of Mining Engineering Literature	8vo,	4 00
	* 8vo, mor.	5 00
Douglas's Untechnical Addresses on Technical Subjects	12mo,	1 00
Eissler's Modern High Explosives	8vo,	4 00
Goesel's Minerals and Metals: A Reference Book	16mo, mor.	3 00
Ihlseng's Manual of Mining	8vo,	5 00
* Iles's Lead Smelting	12mo,	2 50
Peele's Compressed Air Plant for Mines	8vo,	3 00
Riemer's Shaft Sinking Under Difficult Conditions. (Corning and Peele)	8vo,	3 00
* Weaver's Military Explosives	8vo,	3 00
Wilson's Hydraulic and Placer Mining. 2d edition rewritten	12mo,	2 50
Treatise on Practical and Theoretical Mine Ventilation	12mo,	1 25

SANITARY SCIENCE.

Association of State and National Food and Dairy Departments, Hartford
Meeting, 1906. . . . . 8vo, $3 00
Jamestown Meeting, 1907. . . . . 8vo, 3 00
* Bashore's Outlines of Practical Sanitation. 12mo, 1 25
Sanitation of a Country House. 12mo, 1 00
Sanitation of Recreation Camps and Parks. 12mo, 1 00
Folwell's Sewerage. (Designing, Construction, and Maintenance.). 8vo, 3 00
Water-supply Engineering. 8vo, 4 00
Fowler's Sewage Works Analyses. 12mo, 2 00
Fuertes's Water-filtration Works. 12mo, 2 50
Water and Public Health. 12mo, 1 50
Gerhard's Guide to Sanitary Inspections. 12mo, 1 50
* Modern Baths and Bath Houses. 8vo, 3 00
Sanitation of Public Buildings. 12mo, 1 50
Hazen's Clean Water and How to Get It. . . . . Large 12mo, 1 50
Filtration of Public Water-supplies. 8vo, 3 00
Kinnicut, Winslow and Pratt's Purification of Sewage. (In Preparation.)
Leach's Inspection and Analysis of Food with Special Reference to State
Control. 8vo, 7 50
Mason's Examination of Water. (Chemical and Bacteriological). 12mo, 1 25
Water-supply. (Considered principally from a Sanitary Standpoint).
8vo, 4 00
* Merriman's Elements of Sanitary Enigneering. 8vo, 2 00
Ogden's Sewer Construction. 8vo, 3 00
Sewer Design. 12mo, 2 00
Parsons's Disposal of Municipal Refuse. 8vo, 2 00
Prescott and Winslow's Elements of Water Bacteriology, with Special Reference to Sanitary Water Analysis. 12mo, 1 50
* Price's Handbook on Sanitation. 12mo, 1 50
Richards's Cost of Cleanness. 12mo, 1 00
Cost of Food. A Study in Dietaries. 12mo, 1 00
Cost of Living as Modified by Sanitary Science. 12mo, 1 00
Cost of Shelter. 12mo, 1 00
* Richards and Williams's Dietary Computer. 8vo, 1 50
Richards and Woodman's Air, Water, and Food from a Sanitary Standpoint. 8vo, 2 00
* Richey's Plumbers', Steam-fitters', and Tinners' Edition (Building
Mechanics' Ready Reference Series). . . . . 16mo, mor. 1 50
Rideal's Disinfection and the Preservation of Food. 8vo, 4 00
Sewage and Bacterial Purification of Sewage. 8vo, 4 00
Soper's Air and Ventilation of Subways. 12mo, 2 50
Turneaure and Russell's Public Water-supplies. 8vo, 5 00
Venable's Garbage Crematories in America. 8vo, 2 00
Method and Devices for Bacterial Treatment of Sewage. 8vo, 3 00
Ward and Whipple's Freshwater Biology. (In Press.)
Whipple's Microscopy of Drinking-water. 8vo, 3 50
* Typhoid Fever. . . . . Large 12mo, 3 00
Value of Pure Water. . . . . Large 12mo, 1 00
Winslow's Systematic Relationship of the Coccaceæ. . . . . Large 12mo, 2 50

MISCELLANEOUS.

Emmons's Geological Guide-book of the Rocky Mountain Excursion of the
International Congress of Geologists. . . . . Large 8vo. 1 50
Ferrel's Popular Treatise on the Winds. 8vo, 4 00
Fitzgerald's Boston Machinist. 18mo, 1 00
Gannett's Statistical Abstract of the World. 24mo, 75
Haines's American Railway Management. 12mo, 2 50
Hanausek's The Microscopy of Technical Products. (Winton). 8vo, 5 00

Jacobs's Betterment Briefs. A Collection of Published Papers on Organized Industrial Efficiency	8vo,	$3 50
Metcalfe's Cost of Manufactures, and the Administration of Workshops	8vo,	5 00
Putnam's Nautical Charts	8vo,	2 00
Ricketts's History of Rensselaer Polytechnic Institute 1824-1894.	Large 12mo,	3 00
Rotherham's Emphasised New Testament	Large 8vo,	2 00
Rust's Ex-Meridian Altitude, Azimuth and Star-finding Tables	8vo,	5 00
Standage's Decoration of Wood, Glass, Metal, etc	12mo,	2 00
Thome's Structural and Physiological Botany. (Bennett)	16mo,	2 25
Westermaier's Compendium of General Botany. (Schneider)	8vo,	2 00
Winslow's Elements of Applied Microscopy	12mo,	1 50

HEBREW AND CHALDEE TEXT-BOOOKS.

Gesenius's Hebrew and Chaldee Lexicon to the Old Testament Scriptures. (Tregelles.)	Small 4to, half mor,	5 00
Green's Elementary Hebrew Grammar	12mo,	1 25